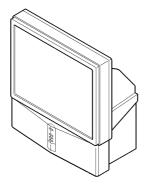


SERVICE MANUAL RG-3 CHASSIS

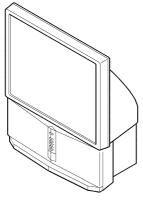
<u>MODEL</u>	COMMANDER	<u>DEST.</u>	CHASSIS NO.	<u>MODEL</u>	COMMANDER	DEST.	CHASSIS NO.
KP-ES43HK1	RM-961	HK	SCC-P45B-A	KP-ES53HK1	RM-961	HK	SCC-P45C-A
KP-ES43ME1	RM-961	ME	SCC-P46B-A	KP-ES53ME1	RM-961	ME	SCC-P46C-A
KP-ES43MN1	RM-961	GE	SCC-P44D-A	KP-ES53MN1	RM-961	GE	SCC-P44B-A
<i>KP-ES43SN1</i>	RM-961	AUS	SCC-P47B-A	KP-ES53SN1	RM-961	AUS	SCC-P47C-A
KP-ES48HK1	RM-961	HK	SCC-P45A-A	<i>KP-ES61HK1</i>	RM-961	HK	SCC-P45D-A
KP-ES48ME1	RM-961	ME	SCC-P46A-A	KP-ES61ME1	RM-961	ME	SCC-P46D-A
KP-ES48MN1	RM-961	GE	SCC-P44A-A	KP-ES61MN1	RM-961	GE	SCC-P44C-A
KP-ES48SN1	RM-961	AUS	SCC-P47A-A	KP-ES61SN1	RM-961	AUS	SCC-P47D-A



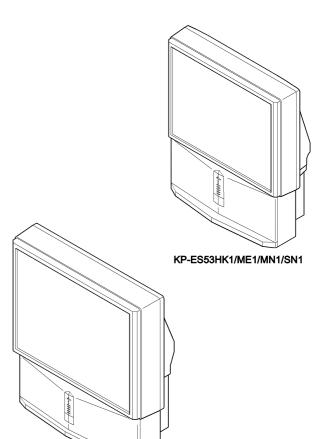




KP-ES43HK1/ME1/MN1/SN1







KP-ES61HK1/ME1/MN1/SN1

* Please file according to model size. ...

PROJECTION TV SONY®

SPECIFICATIONS

	KP-ES61MN1/ KP-ES61HK1/ KP-ES61ME1/ KP-ES61SN1	KP-ES53MN1/ KP-ES53HK1/ KP-ES53ME1/ KP-ES53SN1	KP-ES48MN1/ KP-ES48HK1/ KP-ES48ME1/ KP-ES48SN1	KP-ES43MN1/ KP-ES43HK1/ KP-ES43ME1/ KP-ES43SN1	
Projection system	3 picture tubes, 3 ler	ises, horizontal inline	system		
Picture tube	7 inch high-brightnes monochorome tubes (6.3 raster size), with optical coupling and liquidcooling system				
Projection lenses	High performance, l	arge-diameter highb	rid lens F1.0		
Screen size	61 inches	53 inches	48 inches	43 inches	
Television system	B/G, I, D/K, M				
Color system	PAL, PAL 60, SECAN	M, NTSC4.43, NTSC3	3.58		
Stereo/Bilingual system	NICAM Stereo/Bilingual	0			
Channel coverage B/G	VHF : E2 to E12 / U S03, S1 to S41	HF : E21 to E69 / CA	TV : S01 to		
1	UHF: B21 to B68 / 0	CATV: S01 to S03, S1	to S41		
D/K		/HF : C1 to C12, R1 to R12 / UHF : C13 to C57, R21 o R60 / CATV : S01 to S03, S1 to S41, Z1 to Z39			
М		VHF : A2 to A13 / UHF : A14 to A79 / CATV : A-8 to A-2, A to W+4, W+6 to W+84			
⊺ r(Antenna)	75-ohm external terr	75-ohm external terminal			
Audio output (Speaker)	13W + 13W, (10% distortion)				
Number of terminal •• (Video)	Input: 4 Output: 1	Phono jacks; 1 V	p-p, 75 ohms		
♪ (Audio)	Input: 4 Output: 1	Phono jacks; 500	mVrms		
(S Video)	Input: 2	Y: 1 Vp-p, 75 oh unbalanced, syn C: 0.286 Vp-p, 75	c negative		
(Component Video)	Input: 1	Phono jacks Y: 1 Vp-p, 75 ohr C _B /B-Y: 0.7 Vp-p C _R /R-Y: 0.7 Vp-p Audio: 500 mVrr	o, 75 ohms		
\rightarrow	Output: 1 Phono jack; 500 mVrms				
(Headphones)	Output: 1 Stereo minijack				
Dimensions (w/h/d, mm)	1372 × 1542 × 661.5	1218 × 1423 × 623	$1091 \times 1336 \times 580$	$966 \times 1078 \times 532$	
Mass (kg)	90	76	68	61	

Power requirements 110 V – 240 V (For KP-ES61MN1/KP-ES53MN1/KP-ES43MN1/KP-ES43MN1/

KP-ES61ME1/KP-ES53ME1/KP-ES48ME1/KP-ES43ME1)

220 V - 240 V (For KP-ES61HK1/KP-ES53HK1/KP-ES48HK1/KP-ES43HK1/

KP-ES61SN1/KP-ES53SN1/KP-ES48SN1/KP-ES43SN1)

Power consumption (W) 270 W (For KP-ES61MN1/KP-ES53MN1/KP-ES48MN1/KP-ES43MN1/

KP-ES61ME1/KP-ES53ME1/KP-ES48ME1/KP-ES43ME1)

255 W (For KP-ES61HK1/KP-ES53HK1/KP-ES48HK1/KP-ES43HK1/

KP-ES61SN1/KP-ES53SN1/KP-ES48SN1/KP-ES43SN1)

Design and specifications are subject to change without notice.

CAUTION

SHORT CIRCUIT THE ANODE OF HTE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

SAFETY-RELATED COMPONENT WARNING!! COMPONENTS IDENTIFIED BY SHADING AND MARK ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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SECTION 1 SELF DIAGNOSIS FUNCTION

The unit in this manual contain a self-diagnostic function. If an error occurs, the STANDBY/TIMER lamp will automatically begin to flash

The number of times the lamp flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER lamp flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the remote commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

1-1. DIAGNOSTIC TEST INDICATORS

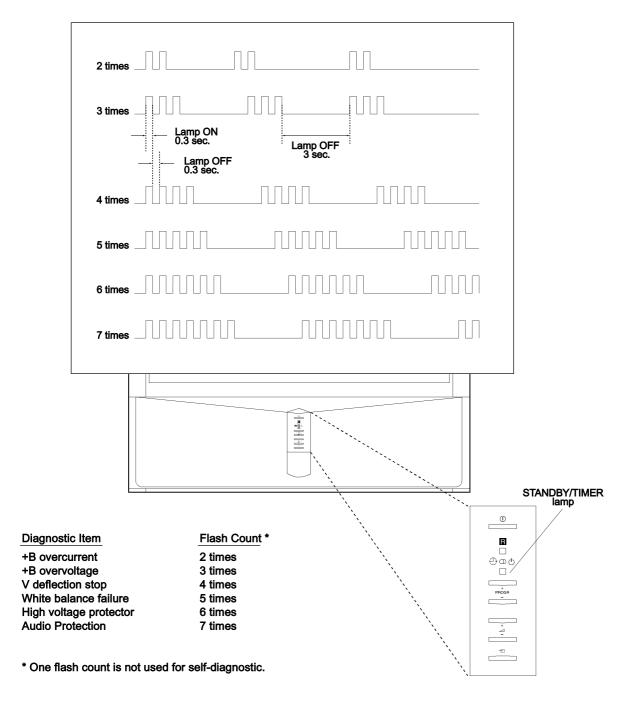
When an errors occurs, the STANDBY/TIMER lamp will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the lamp will identify the first of the problem areas.

Result for all of the following diagnostic items are displayed on screen. No error has occurred if the screen displays a "0".

Diagnostic Item Description	No. of times STANDBY/TIMER lamp flashes	Self-diagnostic display/ Diagnostic result	Probable Cause Location	Detected Symptoms
Power does not turn on	Does not light		•Power cord is not plugged in. •Fuse (F6001) is burned out. (G, G1 board)	Power does not come on.No power is supplied to the PJ.AC power supply is faulty.
•+B overcurrent (OCP)	2 times	002:000 or 002:001 ~ 255	•H. OUT Q5104 is shorted. •H. LIN Q5105 is shorted. (D board)	Power does not come on. Load on power line is shorted.
•+B overvoltage (OVP)	3 times	003:000 or 003:001 ~ 255	• IC6002 faulty. • 10.5 V is not supplied. (G, G1 board)	Power does not come on.
Vertical deflection failure	4 times	004:000 or 004:001 ~ 255	•V. OUT IC5302 faulty. •R5340 open •R5341 open (D board)	Vertical deflection pulse is stopped. Vertical size is too small. Vertical deflection stopped.
White balance failure (no PICTURE)	5 times	005:000 or 005:001 ~ 255	G2 is improperly adjusted. (Note 1) CRT problem. Video OUT IC7101 (CR board), IC7201 (CG board), IC7301 (CB board) are faulty. IC8306 (J1 board) and IC4301 (E board) are faulty. No connection E board to CR board.	No raster is generated. CRT cathode current detection reference pulse output is small.
• High Voltage failure	6 times	006:000 or 006:001 ~ 255	• IC6301 (G, G1 bard) faulty.	•+135 V is too high.
Audio Protection	7 times	007:000 or 007:001 ~ 255	Power supply fails. IC1101 (A1 board) faulty.	There is picture but speaker does not release sound.
Micro reset		101:000 or 101:001 ~ 255	Discharge CRT (CR, CG, CB boards) Static discharge External noise	Power is shut down shortly, after this return back to normal. Detect Micro latch up.

Note 1: Refer to screen (G2) adjustment in section 4-2 of this manual.

1-2. DISPLAY OF STANDBY/TIMER LIGHT FLASH COUNT



1-3. STOPPING THE STANDBY/TIMER FLASH

Turn off the power switch on the TV main unit or unplug the power cord from the outlet to stop the STANDBY/TIMER lamp from flashing.

1-4. SELF-DIAGNOSTIC SCREEN DISPLAY

For errors with symptoms such as "power sometimes shuts off" or "screen sometimes goes out" that cannot be confirmed, it is possible to bring up past occurrences of failure for confirmation on the screen:

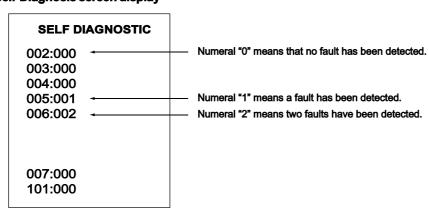
To Bring Up Screen Test]

In standby mode, press buttons on the remote commander sequentially in rapid succession as shown below:



*: Note that this differs from entering the service mode (volume +)

Self-Diagnosis screen display



1-5. HANDLING OF SELF-DIAGNOSTIC SCREEN DISPLAY

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen during repairs. When you have completed the repairs, clear the result display to "0".

Unless the result display is cleared to "0", the self-diagnostic function will not be able to detect subsequent faults after completion of the repairs.

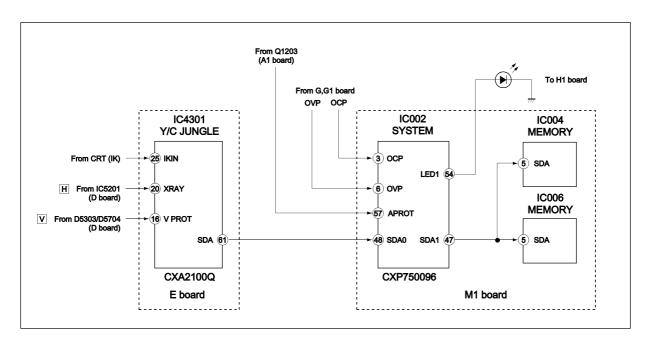
[Clearing the result display]

To clear the result display to "0", press button on the remote commander sequentially as shown below when the diagnostic screen is being displayed.

[Quitting Self-diagnostic screen]

To quit the entire self-diagnostic screen, turn off the power switch on the remote commander or the main unit.

1-6. SELF-DIAGNOSTIC CIRCUIT



+B overcurrent (OCP)	Occurs when an overcurrent on the +B (135 V) line is detected by Q6303. If Q6303 go to ON, the voltage to pin 3 of IC002 go to UP. The unit will automatically turn off.
+B overvoltage (OVP)	Occurs when an overvoltage on the +B (135 V) line is detected by D6318. If D6318 go to ON, then voltage to pin 6 of IC002 go to UP. The unit will automatically turn off.
Vertical deflection failure	Occurs when an absence of the vertical deflection pulse is detected by Q5302, Q5303, and D5303. Shut down the power supply.
White balance failure	If the RGB levels do not balance or become low level within 5 seconds. This error will be detected by IC4301. TV will stay on, but there will be no picture.
High voltage protector of Horizontal Deflection	Occurs when an overvoltage of horizontal pulse is detected by D5115 and IC5201. If the voltage of pin 1 of IC5201 goes to High, the voltage to pin 20 of IC4301 go to UP. The unit will automatically turn off.
Audio Protector	If the Audio out lines become DC.This error will be detected by Q1202, Q1204 and Q1203. The unit will automatically turn off.

SECTION 2 GENERAL

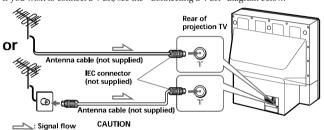
Using Your New Projection TV

Getting Started

Step 1

Connect the antenna

If you wish to connect a VCR, see the "Connecting a VCR" diagram below.



Do not connect the power cord until all other connections are complete; otherwise, a minimal current leakage through the antenna and/or other terminals to the ground could occur.

♪-R (red)

Connecting a VCR

9

To play a video tape, press - (see page 14). To T (antenna) Antenna cable (not supplied) Rear of projection TV To ----(S video input) To antenna output S video cable (not supplied) (O) (i) To S video output To video and audio outputs To -1, 2 or 3 (video input) Audio/Video cable (yellow) (not supplied) : Signal flow J-L (MONO) (white)

continued

Using Your New Projection TV | 5

Getting Started (continued)

Notes

- If you connect a monaural VCR, connect the yellow plug to ๋ (the yellow jack) and the black plug to ♪-L (MONO) (the white jack).
- If you connect a VCR to the ¬¬ (antenna) terminal, preset the signal output from the VCR to the program number 0 on the projection TV.
- When both the ⊕ (S video input) and ⊕ 1 (video input) are connected, the ⊕ (S video input) is automatically selected. To view the video input to ⊕ 1 (video input), disconnect the S video cable.

Step 2

Insert the batteries into the remote



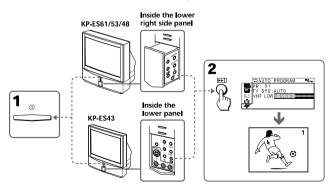
Notes

- · Do not use old batteries or different types of batteries together.
- To operate some of the functions of your projection TV, you may have to open the remote control cover.



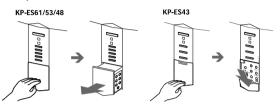
Step 3

Preset the channels automatically



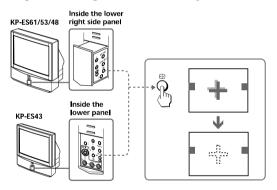
Notes

- To stop the automatic channel presetting, press MENU twice.
- If your projection TV has preset an unwanted channel or cannot preset a
 particular channel, then preset your projection TV manually (see page 44).
- To open the lower panel of your projection TV, push on it, then it will open.



Step 4

Adjusting the convergence automatically



Note

 Adjust convergence about 20 – 30 minutes after the projection TV is first turned on.

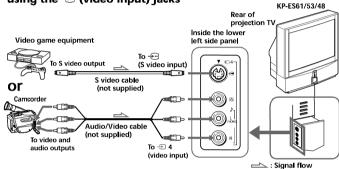
The Digital Quick Focus feature allows you to adjust the convergence automatically.

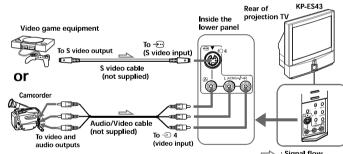
Using Your New Projection TV

Connecting optional components

You can connect optional audio/video components, such as a VCR, multi disc player, camcorder, video game, or stereo system. To watch and operate the connected equipment, see pages 14 and 28.

Connecting a camcorder/video game equipment using the ⊕ (video input) jacks

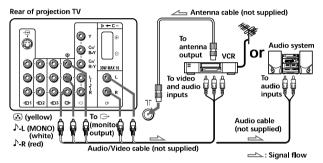




Notes

- When connecting video game equipment, display the "FEATURE" menu and select "ON" for "GAME MODE" to adjust the picture setting that is suitable for video games (see page 39).
- You can also connect video equipment to the ⊕ 1, 2, or 3 (video input) jacks at the rear of your projection TV.
- When both the ⊕(S video input) and ⊕ 4 (video input) are connected, the ⊕ (S video input) is automatically selected. To view the video input to ⊕ 4 (video input), disconnect the S video cable.
- 8 | Using Your New Projection TV

Connecting audio/video equipment using the G (monitor output) jacks



- ullet If you select "DVD" on your TV screen, no signal will be output at the \hookrightarrow (monitor output) jacks (see page 14).
- When connecting the audio cable to the \bigcirc , you can adjust the volume with ⊿ +/-.

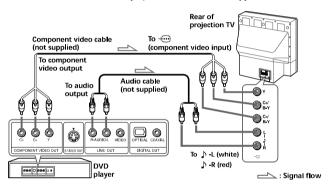
continued

Using Your New Projection TV | 9

Connecting optional components (continued)

Connecting a DVD player to - (component video input)

- 1 Using an audio cable, connect R and L under ← (component video input) on your projection TV to the LINE OUT, AUDIO R and L output connectors on your DVD
- 2 Using a component video cable, connect Y, C_B/B-Y, and C_R/R-Y under € ... (component video input) on your projection TV to the COMPONENT VIDEO OUT Y, CB, and CR output connectors on your DVD player.
- 3 Press → on the remote or the projection TV until "DVD" appears on the screen.



Notes

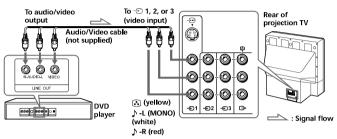
· Some DVD player terminals may be labeled differently:

Connect	To (on the DVD player)
Y (green)	Y
C _B /B-Y (blue)	Cb, B-Y or PB
C _R /R-Y (red)	Cr, R-Y or PR

you must connect Y, CB, and CR to receive the video signals, and at least connect L and R to receive analog audio signals.

Connecting a DVD player to € (video input)

Connect = 1, 2, or 3 (video input) \triangle (audio/video) connectors on your projection TV to LINE OUT on your DVD player.

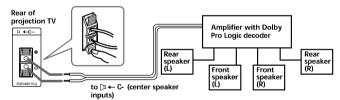


Notes

- Since the high quality pictures on a DVD disc contain a lot of information, picture noise may appear. In this case, adjust the sharpness ("SHARP") under "PERSONAL ADJUST" in the "PICTURE MODE" menu (see page 34).
- Connect your DVD player directly to your projection TV. Connecting the DVD player through other video equipment will cause unwanted picture noise.

Connecting an amplifier with Dolby' Pro Logic decoder to C - (center speaker input)

Connect the speaker terminals on your amplifier to ▷ ← C– on your projection TV.



Note

- When making connection to
 □ ← C- on your projection TV set
 "SPEAKER: CENTER IN" in the "A/V CONTROL" menu. (see page 33)
- * Manufactured under license from Dolby Laboratories Licensing Corporation.
 DOLBY, the double-D symbol □□ and "PRO LOGIC" are trademarks of Dolby Laboratories Licensing Corporation.

Using Your New Projection TV | 11

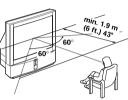
Installing the projection TV

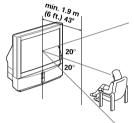
For the best picture quality, install the projection TV within the areas below.

Optimum viewing area (Horizontal) KP-ES43

Optimum viewing area (Vertical)

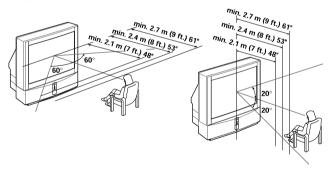
KP-ES43





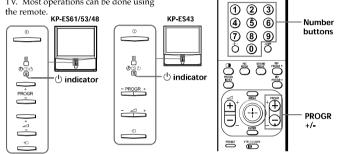
KP-ES61/53/48

KP-ES61/53/48



Watching the TV

This section explains various functions and operations used while watching the TV. Most operations can be done using



Press ① to turn on the projection TV.

> When the projection TV is in standby mode (the 🖰 indicator on the projection TV is lit red), press 1/ b on the remote.



Press PROGR +/- or the number buttons to select the TV channel.

> For double digit numbers, press -*i*--, then the number (e.g., for 25, press -/--, then 2 and 5).



Ö 60 65 O

B ANS D C

• When you turn on the projection TV, either the program number or video mode is displayed for approximately 40 seconds. The ECO MODE (atm) icon will also appear if "ECO MODE " in the "FEATURE" menu is set "ON" (see page 39).

To select a TV program quickly

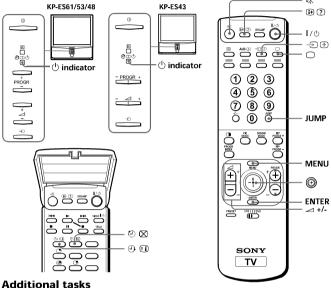
- (1) Press and hold PROGR +/-.
- (2) Release PROGR +/- when the desired program number appears.

When you select a TV program quickly, the picture may be disrupted. This does not indicate a malfunction.

continued

Using Your New Projection TV | 13

Watching the TV (continued)



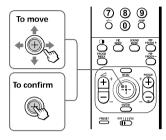
То	Press
Turn off temporarily	I/ \circlearrowleft . The \circlearrowleft indicator on the projection TV lights up red.
Turn off completely	① on the projection TV.
Adjust the volume	⊿+/
Mute the sound	٥٪.
Watch the video input (VCR, camcorder, etc.)	-② (or -② on the projection TV) to select "VIDEO 1", "VIDEO 2", "VIDEO 3", "VIDEO 4" or "DVD". To return to the TV screen, press □ (or -② on the projection TV).
Jump back to the previous channel	JUMP.
Display the on-screen information*	(f) .

^{*} Some picture/sound settings, and either the program number or video mode are displayed. The on-screen display for the picture/sound settings disappears after about 3 seconds.

Using the Remote Control Button Joystick (@)

You can select the menu item on the screen by moving (a) up, down, left or right (see page 32).

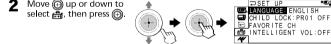
To confirm a selected item, press (+). You can also press ENTER on the remote to confirm a selected item.

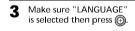


Changing the menu language

You can change the menu language as well as the on-screen language. For details on how to use the menu, see "Introducing the menu system" on page 30.









The selected menu language appears.



To return to the normal screen

Press MENU.

continued

Using Your New Projection TV | 15

Watching the TV (continued)

Setting the Wake Up timer

1 Press ⊕ until the desired period of time appears.

The Wake Up timer starts immediately after you have set it.



- 2 Select the TV channel or video mode you want to wake up to.
- **3** Press I/(¹/₂), or set the Sleep timer if you want the projection TV to turn off automatically.

The ① indicator on the projection TV lights up orange.

To cancel the Wake Up timer

Press - until "WAKE UP TIMER: OFF" appears, or turn the projection TV off.

Note

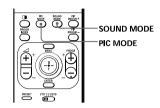
If no buttons or controls are pressed for more than two hours after the
projection TV is turned on using the Wake Up timer, the projection TV
automatically goes into standby mode. To resume watching the TV, press
any button or control on the projection TV or the remote.

Setting the Sleep timer



To cancel the Sleep timer

Press ② until "SLEEP TIMER: OFF" appears, or turn the projection TV off.



Selecting the picture mode

Press PIC MODE repeatedly until the desired picture mode is selected.



Select	То	
"DYNAMIC"	receive high contrast pictures.	
"STANDARD"	receive normal pictures.	
"HI-FINE"	receive higher resolution pictures with mild contrast.	
"PERSONAL"	receive the last adjusted picture setting from the "ADJUST" option in the "A/V CONTROL" menu (see page 34).	

Selecting the sound mode

Press SOUND MODE repeatedly until the desired sound mode is selected.



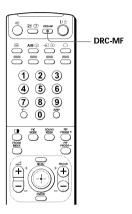
Select	То	
"DYNAMIC"	listen to dynamic and clear sound that emphasizes both the low and high tones.	
"DRAMA"	listen to sound that emphasizes voice and high tones.	
"SOFT"	receive soft sound.	
"PERSONAL"	receive the last adjusted sound setting from the "ADJUST" option in the "A/V CONTROL" menu (see page 34).	

• You can also set the picture and sound modes using the menu (see "Changing the "A/V CONTROL" setting" on page 33).

quality pictures - "DRC-MF"

Viewing higher

The Digital Reality Creation-Multi Function (DRC-MF) feature allows you to enjoy higher quality pictures on your projection TV. You can select "DRC1250" to watch super real (higher resolution) pictures, or "DRC100" to reduce flicker if necessary.



Press DRC-MF repeatedly until you receive the desired picture quality.



Select	То
"DRC1250"	select higher resolution pictures.
"DRC100"	reduce flicker on the screen.

 When the broadcast signal is weak, you may see some dots or noise on the TV screen. To reduce this interference, display the "A/V CONTROL" menu and select "ADJUST" in "PICTURE MODE", then adjust "SHARP" to reduce the sharpness (see page 34).

Note

• The DRC-MF mode is not selectable when using the "PROGRAM INDEX" or "FAVORITE CH" feature, or when the "GAME MODE", Picture-In-Picture ("PIP"), or "TWIN" mode is turned "ON".

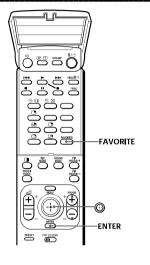
The DRC-MF logo (\fill -MF) and "DRC-MF" are trademarks of Sony Corporation.

Viewing your favorite channels

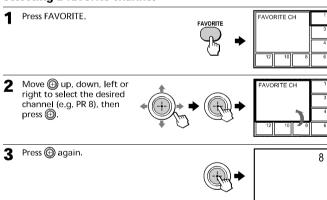
- "FAVORITE CH"

You can display seven favorite channels for quick and easy selection.

The last seven channels selected with the number buttons are displayed in "AUTO" mode. You can set up your own favorite channels in "MANUAL" mode under the "FAVORITE CH" menu (see "Changing the favorite channel setting" on page 42).



Selecting a favorite channel

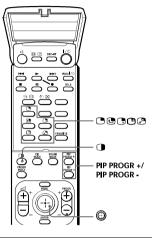


• When you use your projection TV for the first time, seven preset channels Advanced Operations | 19

Watching two programs at the same time

— "PIP", "TWIN"

With the Picture-in-Picture (PIP) or TWIN pictures features, you can display a different TV program or video within or beside the main picture.



Displaying the PIP screen



Displaying TWIN pictures

Press . ♪ 10

To return to the normal screen

Press (when in the PIP screen) or (when in the TWIN picture screen).

• You can also display the PIP screen or TWIN pictures using the menu (see "Changing the MULTI PICTURE setting" on page 36).

Additional PIP/TWIN pictures tasks

То	Press/Move
change a TV program in the PIP screen or in the right TWIN picture	Press PIP PROGR + or PIP PROGR –. For a video input, press .
swap pictures between the main and PIP screens	Press @
freeze the PIP screen	Press 🖹. To unfreeze the screen, press the button again.
change the position of the PIP screen	Press .
swap the right and left pictures of the TWIN pictures	Press 2.
change the screen size of the TWIN pictures	Move (a) left to increase the left screen size. Move (b) right to increase the right screen size.

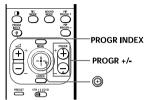
Notes

- The 🖱 button does not function in the TWIN pictures mode.
- When you display a video input on the PIP screen at a faster/slower speed, the picture may be disrupted depending on the VCR type.
- If you display different color systems on the main screen and the PIP screen, the size of the PIP screen may be different and the PIP picture may be disrupted. This does not indicate a malfunction of the projection TV.
- In the TWIN picture screen, you can only operate and hear the sound of the main left screen () appears on the screen).
- When the button is pressed, the TV screen flickers or goes blank for about one second before the TWIN pictures appear. This does not indicate a malfunction of the projection TV.

Displaying multiple programs

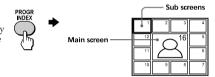
- "PROGRAM INDEX"

The PROGRAM INDEX feature displays all of the preset TV programs on twelve or seven sub screens for direct selection.

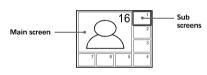


Press PROGR INDEX.

The first twelve preset programs appear one by one, clockwise from the upper left corner.



When the number of the preset TV programs is less than eight, the first seven preset programs appear one by one, clockwise from the upper right corner.



Tip

 When you press the PROGR INDEX button in the TWIN pictures mode, the left picture appears as the main screen of the PROGRAM INDEX mode.

To view the next or the previous twelve preset programs

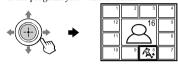
This works only when the number of the preset TV programs is more than twelve.

Press PROGR +/- on the remote or the projection TV.



To select the desired program directly from the sub screens

1 Move up, down, left or right to move the frame to the screen of the program you want to watch.







3 Press 🕀 again.







Tip

· Pressing the number buttons directly displays the program.

To return to the normal screen

Press PROGR INDEX again, or:

- 1 Select "PROGRAM INDEX" from the "MULTI PICTURE" menu.
- 2 Press 🛞.

Tip

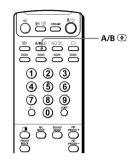
 You can also display multiple programs using the menu (see "Changing the MULTI PICTURE setting" on page 36).

Note

 When displaying multiple programs, only the sound of the main screen is heard.

Enjoying stereo or bilingual programs

You can enjoy stereo sound or bilingual programs of NICAM and A2 (German) stereo systems.

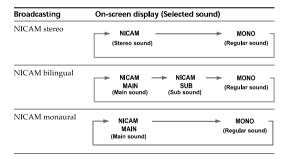


Press A/B repeatedly until you receive the sound you want.

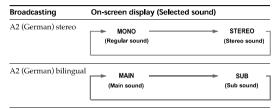
The on-screen display changes to show the selected sound and the \bigcirc indicator on the projection TV lights up red.



When receiving a NICAM program



When receiving an A2 (German) program



Receiving area for NICAM and A2 (German) programs

System	Receiving area
NICAM	Hong Kong, Singapore, New Zealand, Malaysia, Thailand, etc.
A2 (German)	Australia, Malaysia, Thailand, etc.

Notes

- If the signal is very weak, the sound becomes monaural automatically.
- If the stereo sound is noisy when receiving a NICAM program, select "MONO". The sound becomes monaural, but the noise is reduced.
- Before receiving a NICAM stereo program in China, please check the NICAM broadcast condition at your area. When receiving a NICAM stereo program, the receiving conditions might vary depending on area. In addition, different strength of the NICAM broadcast signal might affect the receiving quality.

Press A/B repeatedly until "MONO" appears on the screen.

To cancel the monaural sound setting, press $A\,/\,B$ again until "AUTO" appears on the screen.

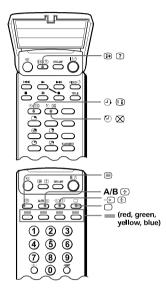


Notes

- The "MONO" or "AUTO" setting is memorized for each program position.
- You cannot receive a stereo broadcast signal when the projection TV is in the "MONO" setting. Normally, set the projection TV to "AUTO".

Viewing Teletext

Some TV stations broadcast an information service called Teletext which allows you to receive various information, such as stock market reports and news.



Displaying Teletext

Select a TV channel that carries the Teletext broadcast you want to watch.



A Teletext page (normally the index page) is displayed. If there is no Teletext broadcast, "100?" is displayed at the top left corner of the screen after approximately 10 seconds.



To turn off Teletext

Press \square .

25

Additional Teletext tasks

То	Do this
display a Teletext page on the TV picture	Press \blacksquare . Each time you press \blacksquare , the screen changes as follows: Teletext \rightarrow Teletext and TV \rightarrow TV.
check the contents of a Teletext service	Press (E) . An overview of the Teletext contents, including page numbers, appears on the screen.
select a Teletext page	Press the number buttons to enter the three-digit page number of the desired Teletext page. If you nake a mistake, reenter the correct page number. To access the next or previous page, press PROGR +/-
hold (pause) a Teletext page (stop the page from scrolling)	Press ⊕ to display the symbol "⊕" at the top left corner of the screen. To resume normal Teletext viewing, press ⊕ or ⊜.
reveal concealed information (e.g., an answer to a quiz)	Press ②. To conceal the information, press the button again.
enlarge the Teletext display	Press ⊕. Each time you press ⊕, the Teletext display changes as follows: Enlarge upper half → Enlarge lower half → Normal size.
stand by for a Teletext page while watching a TV program	1 Enter the Teletext page number that you want to refer to, then press ⋈.
	2 When the page number is displayed, press $\ensuremath{\Rrightarrow}$ to show the text.

^{*} You can also select a Teletext page of any page number that appears in the colored column at the bottom of the screen using the corresponding colorcoded button on the remote.

Using FASTEXT

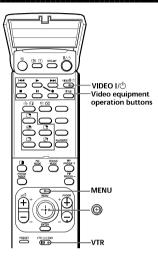
This feature allows you to quickly access a Teletext page that uses FASTEXT. When a FASTEXT program is broadcast, colored menus appear at the bottom of the screen. The color of each menu corresponds to the color-coded buttons on the remote (red , green , yellow , and blue), and blue).

To access a FASTEXT menu

Press the color-coded button on the remote corresponding to the menu you want. The menu page appears on the screen after a few seconds.

Operating optional components

You can use the supplied remote to operate Sony video equipment such as Beta. 8 mm, VHS or DVD.



Setting up the remote to work with other connected equipment

Switch VTR to select the desired equipment type (see the chart below).

For example, to operate a Sony 8 mm VCR:
VTR 123 DVD



Note

- If your video equipment is furnished with a COMMAND MODE selector, set this selector to the same position as the VTR switch.
- If the equipment does not have a certain function, the corresponding button on the remote will not operate.

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Operating a VCR using the remote

То	Press
turn on/off	VIDEO I /Ů
record	while pressing •.
play	>
stop	
fast forward (►►)	▶ ▶I
rewind the tape (◀◀)	I44
pause	II
	Press again to resume normal playback.
search the picture forward (►►)	▶►I or I◀◀ during playback.
or backward (◀◀)	Release to resume normal playback.

Operating a DVD player using the remote

То	Press
turn on/off	VIDEO I / 🖰
play	>
stop	
pause	Press again to resume normal playback.
step through different tracks of an audio disc	▶►I to step forward or I◀◀ to step backward.
display the title menu	TITLE
display the menu	MENU while holding down ●.
select the menu item	Move up, down, left or right while holding down .

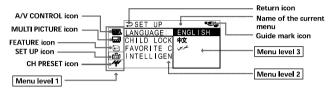
Advanced Operations

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Adjusting Your Setup (MENU)

Introducing the menu system

The MENU button lets you open a menu and change the settings of your projection TV. The following is an overview of the menu system.



Level 1	Level 2	Level 3/Function
"A/V CONTROL"	"DRC-MF"	Select the "DRC-MF" mode: "DRC1250" → "DRC100"
	"PICTURE MODE"	Select the picture mode: "DYNAMIC" → "STANDARD" → "HI-FINE" → "PERSONAL" → "ADJUST"
	"ADJUST"	Adjust the "PERSONAL" option: "PICTURE" → "COLOR" → "BRIGHT" → "HUE" → "SHARP"
	"SOUND MODE"	Select the sound mode: "DYNAMIC" → "DRAMA" → "SOFT" → "PERSONAL" → "ADJUST"
	"ADJUST"	Adjust the "PERSONAL" option: "BASS" → "TREBLE" → "BALANCE"
	"SPEAKER"	Select the "SPEAKER" mode: "MAIN" → "CENTER IN"
"MULTI PICTURE"	"PIP"	Activate or deactivate the PIP feature.
	"PIP POSITION"	Change the position of the sub screen.
₽	"SWAP"	Swap the pictures between the main and sub screens.
	"TWIN"	Display a TV program or video beside the main screen.
	"PROGRAM INDEX"	Display all the preset TV programs at the same time.
"FEATURE"	"WIDE MODE"	Activate or deactivate WIDE MODE feature.
E	"ECO MODE"	Activate or deactivate ECO MODE feature.
	"GAME MODE"	Activate or deactivate GAME MODE feature.

Level 1

"SET UP"

⊞

"CH PRESET"

4

Level 2

"LANGUAGE"

"CHILD LOCK"

"FAVORITE CH"

"INTELLIGENT VOL"

"AUTO PROGRAM"

PROGRAM"

"MANUAL

"SKIP"

"TV SYS"

"COL SYS"

Level 3/Function

Change the menu language:

Lock out specific channels.

Adjust the volume automatically.

Select the TV system: "B/G" \rightarrow "I" \rightarrow "D/K" \rightarrow "M"

Skip unwanted or unused program numbers.

Select the color system: "AUTO" →" PAL" → "SECAM" → "NTSC3.58" → "NTSC4.43"

Preset channels automatically.

Preset channels manually.

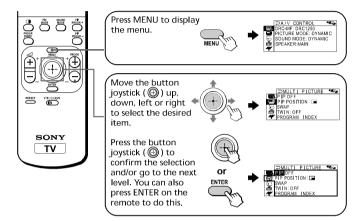
Set favorite channels.

"ENGLISH" → "中文" (Chinese) → "عربي" (Arabic)

Adjusting
Your
Setup
(MENU)

Introducing the menu system (continued)

How to use the menu



Other menu operations

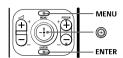
То	Press/Move
Adjust the setting value	Move 📵 up, down, left or right.
Move to the next/previous menu level	Move 📵 left or right.
Cancel the menu	Press MENU.

- If you want to exit from Menu level 2 to Menu level 1, move ⊚ up or down until the return icon (⊃) is highlighted, then press ⊚ or ENTER.
- The MENU, ENTER, and ∠ +/- buttons on the projection TV can also be used for the operations above.
- The ♠ + and ♠ buttons on the projection TV can also be used instead of moving the button joystick (⑥) up or down.

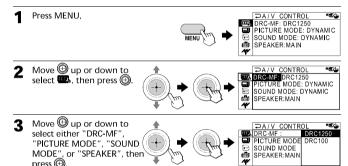
• If more than 60 seconds elapse between entries, the menu screen automatically disappears.

continued

Changing the "A/V **CONTROL**" setting



The "A/V CONTROL" menu allows you to adjust the picture and sound settings.



Move (1) up or down to select the desired option, then press 📵.

press 🕀.



For	Select
"DRC-MF"	either "DRC1250" or "DRC100".
"PICTURE MODE"	either "DYNAMIC", "STANDARD", "HI-FINE", "PERSONAL"*, or "ADJUST".
"SOUND MODE"	either "DYNAMIC", "DRAMA", "SOFT", "PERSONAL"*, or "ADJUST".
"SPEAKER"	either "MAIN" or "CENTER IN".

* When the "PERSONAL" mode is selected, the last adjusted picture/sound settings from the "ADJUST" option are received (see page 34).

• For details on the options under the "DRC-MF", "PICTURE MODE"/ "SOUND MODE", and "SPEAKER" modes, see pages 18, 17 and 35 respectively.

To return to the normal screen

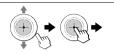
Press MENU.

continued

Changing the "A/V CONTROL" setting (continued)

Adjusting the "ADJUST" options under "PICTURE MODE"

Move 倒 up or down to select the desired item (e.g., "COLOR"), then press (11).



COLOR80

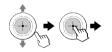
Adjust the value according to the following table, then press 🕀 Move (1) down or left to For Move (1) up or right to "PICTURE" decrease picture contrast increase picture contrast "COLOR" decrease color intensity increase color intensity darken the picture brighten the picture "BRIGHT" "HUE"* increase red picture tones increase green picture tones "SHARP" soften the picture sharpen the picture

* You can adjust "HUE" for the NTSC color system only.

Repeat the above steps to adjust other items. The adjusted settings will be received when you select "PERSONAL".

Adjusting the "ADJUST" options under "SOUND MODE"

1 Move 1 up or down to select the desired item (e.g., "BALANCE"), then press 🕀.



BALANCE mmmmmmmm00

Adjust the value according to the following table, then press 🕀 For "BASS" down or left to decrease the bass, up or right to increase the bass. "TREBLE" down or left to decrease the treble, up or right to increase the treble. "BALANCE" down or left to increase the left speaker's volume, up or right to increase the right speaker's volume.

Repeat the above steps to adjust other items. The adjusted settings will be received when you select "PERSONAL". In the "SPEAKER" menu, move (up or down to select the desired option (see table below).



Select	То
"MAIN"	listen to the sound from a projection TV.
"CENTER IN"	use the projection TV speakers as center speakers.

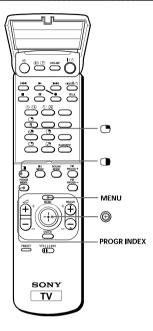
Press to confirm the selected option.



• For details on the menu system and how to use the menu, refer to "Introducing the menu system" on page 30.

Changing the "MULTI PICTURE" setting

The "MULTI PICTURE" menu allows you to use the Picture-in-Picture (PIP), TWIN pictures, or PROGRAM INDEX features.



1 Press MENU.



2 Move ⊕ up or down to select ➡, then press ⊕.



3 Move (1) up or down to select the desired option (see the table below), then press (2).



Select	То
"PIP"	display the PIP screen within the main picture. Move ⑥ up or down to select "ON", then press ⑥. To cancel, press ⑤ or select "OFF", then press ⑥.
"PIP POSITION"	change the position of the PIP screen. Move ③ up or down to select the desired position, then press ⑤.

"SWAP"	swap the main and PIP screens, or right and left pictures of the TWIN pictures.
"TWIN"	display a different TV program or video beside the main picture. Move $\textcircled{9}$ up or down to select "ON", then press $\textcircled{9}$. To cancel, press $\textcircled{1}$ or select "OFF", then press $\textcircled{9}$.
"PROGRAM INDEX"	view multiple programs on the sub-screens. To cancel, press PROGR INDEX.

To return to the normal screen

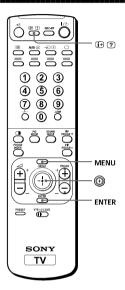
Press MENU.

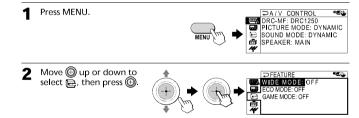
Tip

• For details on the menu system and how to use the menu, see "Introducing the menu system" on page 30.

Changing the "FEATURE" setting

The "FEATURE" menu allows you to change the size of the picture on the screen when receiving wide mode (16:9) picture signals. You can also adjust the picture setting that is suitable for viewing video games, and reduce the power consumption of your projection TV.





Move 倒 up or down to select the desired option (see the table below), then press (1).



Select	То	
"WIDE MODE"	change the size of the picture when receiving wide-mode (16:9) picture signal.	
	Move $\textcircled{0}$ up or down to select "ON", then press $\textcircled{0}$.	
	To restore the normal picture size, select "OFF" then press ②.	
"ECO MODE"	reduce power consumption of your projection TV to save energy Move ③ up or down to select "ON", then press ⑤. To cancel, select "OFF", then press ⑥.	
"GAME MODE"	adjust the picture setting that is suitable to view video games. Move ③ up or down to select "ON", then press ⑤. To cancel, select "OFF", then press ⑥.	

- When you turn on "ECO MODE", the picture may become dimmer. Turning "ECO MODE" off will restore the picture to its original setting.
- "WIDE MODE" is available only when you have selected DRC1250 (NTSC mode) in the "A/V CONTROL" menu with video input or DVD input.
- "WIDE MODE" and "GAME MODE" is available only when receiving signals through the ① (video input), ② (S video input), or ② (component video input) jacks at the front and rear of your projection
- If "ECO MODE" is on, the ECO MODE (\$\bigle_{\text{EO}}\)) icon will appear at the bottom right corner of the screen when you turn on the projection TV or when you press (on the remote. (See pages 13 and 14)

To return to the normal screen

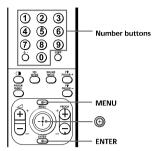
Press MENU.

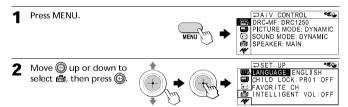
· For details on the menu system and how to use the menu, see "Introducing the menu system" on page 30.

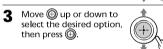
Adjusting Your Setup (MENU) $\mid 39$

Changing the "SET UP" setting

The "SET UP" menu allows you to: change the menu language, block channels, adjust the picture position, program your favorite channels, and adjust the volume automatically.







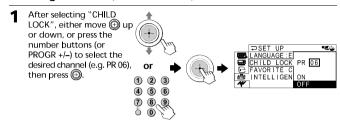
Select	То	
"LANGUAGE"	change the menu language (see page 15).	
"CHILD LOCK"	block channels (see page 41).	
"FAVORITE CH"	select your favorite channels (see pages 19 and 42).	
"INTELLIGENT VOL"	adjust the volume of all TV programs automatically. Move ③ up or down to select "ON", then press ⑤. To cancel, select "OFF", then press ⑥.	

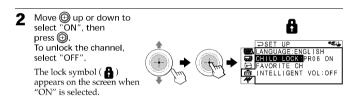
To return to the normal screen

Press MENU.

27

Blocking channels ("CHILD LOCK")





If a locked channel is selected, the lock symbol appears on the screen.



Repeat steps 1 and 2 to lock other channels.

To return to the normal screen

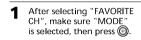
Press MENU.

Note

• If you preset a locked channel, that channel will be unlocked automatically (see page 43).

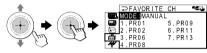
Changing the "SET UP" setting (continued)

Changing the favorite channel setting





2 Move 📵 up or down to select "MANUAL", then press 倒.



Move 📵 up or down to select the program you want to change, then press 📵.



4 Move up or down to change the number, then press 🕀.



5 Repeat steps 3 and 4 to set other channels.

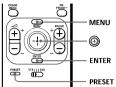
To return to the normal screen

Press MENU.

• If you press the PROGR +/- buttons or number buttons in step 4 above, the projection TV will display the channel immediately.

Changing the "CH PRESET" setting

The "CH PRESET" menu allows you to adjust the setup of your projection TV. For example, you can manually tune in a channel with a weak signal that fails to be tuned in by automatic presetting.



Press MENU.



Move 📵 up or down to select #, then press .



Move 倒 up or down to select the desired option, then press (19).



	• •
Select	То
"AUTO PROGRAM"	preset channels automatically.
"MANUAL PROGRAM"	preset channels manually. See "Presetting channels manually" on page 44.
"SKIP"	skip unwanted or unused channels. 1 Either move ③ up or down, or press the number buttons (or PROGR +/)—) until the unused or unwanted channel number appears, then press ⑤. 2 Select "ON?", then press ⑥. 3 To disable other channels, repeat steps 1 and 2. To restore the skipped channel, select "OFF" in step 2.
"TV SYS"	select the TV system.
"COL SYS"	select the color system. Normally, set this to "AUTO".

To return to the normal screen

Press MENU.

• For details on the menu system and how to use the menu, refer to "Introducing the menu system" on page 30.

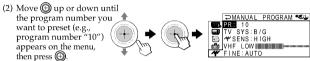
continued

Adjusting Your Setup (MENU) | 43

Changing the "CH PRESET" setting (continued)

Presetting channels manually

- After selecting "MANUAL PROGRAM", select the program number to which you want to preset a channel.
 - (1) Make sure "PR" is selected, then press (19).



→MANUAL PROGRAM 🖘

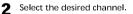
PR: 06
TV SYS:B/G

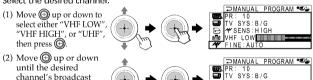
4 SENS: HIGH

SENS: HIGH

VHE LOW IIIIIIIIIIIIIII

- You can also select the "MANUAL PROGRAM" menu directly by pressing the PRESET button on the remote.
- You can also select the program number with the PROGR +/- or number buttons.





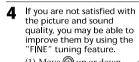
- channel's broadcast appears on the TV screen, then press (1)
- 3 If the sound of the desired channel is abnormal, select the appropriate TV system.

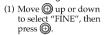




(2) Move (1) up or down until the sound becomes normal, then press 🕀.

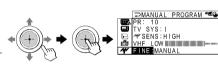












→MANUAL PROGRAM →
PR: 10 AUTO
TV SYS: I MANUAL

→ MANUAL PROGRAM PR: 10 AUTO

TV SYS: I MANUAL

MY SENS : HIG

If the TV signal is too strong and the picture is distorted, you can adjust the TV reception sensitivity.









To return to the normal screen

Press MENU.

- The TV system ("TV SYS") and the TV reception sensitivity ("#SENS") settings are memorized for each program number.
- If you preset a locked channel, that channel will be unlocked automatically (see page 41).

Additional Information

Troubleshooting

If you have any problem while viewing your TV, please check the following troubleshooting guide. If the problem persists, contact your Sony dealer.

Symptom	Possible cause	Solutions	Page
Snowy picture	The connection is loose or the cable is damaged.	Check the antenna cable and connection on the projection TV, VCR and at the wall.	5
Noisy sound	 Channel presetting is inappropriate or incomplete. 	Press the PRESET button to display the "MANUAL PROGRAM" menu and preset the channel again.	44
Noisy sound	The antenna type is inappropriate.	Check the antenna type (VHF/UHF). Contact a Sony dealer for advice.	-
	The antenna direction needs adjustment.	Adjust the antenna direction. Contact a Sony dealer for advice.	-
	Signal transmission is low.	Try using a booster.	-
Distorted picture	Broadcast signals are too strong.	Press the PRESET button to display the "MANUAL PROGRAM" menu. Then, select "# SENS: LOW".	45
, Ma		Turn off or disconnect the booster if it is in use.	_
Noisy sound			
Good picture	The TV system setting is inappropriate.	If the sound of all the channels are noisy, display the "CH PRESET" menu and select "AUTO PROGRAM" to preset the channels again.	43
Noisy sound		If the sound of some channels is noisy, select the channel, then display the "CH PRESET" menu and select the appropriate TV system ("TV SYS").	44
No picture	The power cord, antenna or VCR is not connected.	Check the power cord, antenna and the VCR connections.	5
	The projection TV is	Press I/ on the remote.	13
No sound	not turned on.	Press ① on the TV to turn off the projection TV for about five seconds, then turn it on again.	14

Symptom	Possible cause	Solutions	Page
Good picture	The volume level is too low.	 Press → + to increase the volume level. 	14
A C	The sound is muted.	Press of to cancel the muting.	14
No sound	The broadcast signal has a transmission problem.	Press A/B until a better sound is heard.	24
	The "SPEAKER" setting in the "AV CONTROL" menu is inappropriate.	 When connecting to D ← C – (center speaker input) on your projection TV to use the projection TV speakers as center speakers, set SPEAKER: CENTER IN, or set SPEAKER: MAIN to listen to the sound from a projection TV. 	35
Dotted lines or stripes	There is local interference from cars,	Do not use a hair dryer or other equipment near the projection TV.	-
	neon signs, hair dryers, power generators, etc.	Adjust the antenna direction for minimum interference. Contact a Sony dealer for advice.	-
Double images or "ghosts"	Broadcast signals are	Use a highly directional antenna.	-
	reflected by nearby mountains or buildings.	Use the fine tuning ("FINE") function.	45
	The antenna direction needs adjustment.	Adjust the antenna direction. Contact a Sony dealer for advice.	-
	 Use of a booster is inappropriate. 	Turn off or disconnect the booster if it is in use.	-
No color	The color level setting is too low.	Display the "A/V CONTROL" menu and select "ADJUST" of "PICTURE MODE", then adjust the "COLOR" level.	34
	The color system setting is inappropriate.	Display the "CH PRESET" menu and check the color system ("COL SYS") setting (usually set this to "AUTO").	43
	The antenna direction needs adjustment.	Adjust the antenna direction. Contact a Sony dealer for advice.	-
Abnormal color patches	The magnetic disturbance from external speakers or other equipment, or the direction of the earth's magnetic field may affect the projection TV.	Locate external speakers or other equipment away from the projection TV. Do not move the projection TV while the projection TV is turned on. Press © on the projection TV to turn off the TV for about five minutes, then turn it on again.	-

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continued

Additional Information \mid 47

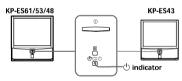
Troubleshooting (continued)

Symptom	Possible cause	Solutions	Page
Projection TV cannot receive stereo broadcast signal	The stereo reception setting is inappropriate.	Press A/B until "AUTO" appears on the screen.	24
Stereo broadcast sound switches on and off or	The connection is loose or the cable is damaged.	Check the antenna cable and connection on the projection TV, VCR and on the wall.	5
is distorted.	The antenna direction needs adjustment.	Adjust the antenna direction. Contact a Sony dealer for advice.	-
The sound switches between stereo and monaural frequently.	The broadcast signal has a transmission problem.	Press A/B until a better sound is heard.	24
"100?" appears at the top of the screen after approximately 10 seconds and there is no Teletext display.	The channel carries no Teletext broadcast.	-	26
Teletext display is incomplete (snowy picture or	Connection is loose or the cable is damaged.	Check the antenna cable and connection on the projection TV, VCR, and at the wall.	5
double images).	The antenna direction is inappropriate.	Adjust the antenna direction. Contact a Sony dealer for advice.	-
	Signal transmission is too low.	Try using a booster.Use the fine tuning ("FINE") function.	- 45
Lines moving across the TV screen.	There is interference from external sources, e.g., heavy machineries, nearby broadcast station.	Use the fine tuning ("FINE") function.	45
Cannot play shooting games.	Some shooting games which involve pointing a light beam at the projection TV screen with an electronic gun or rifle cannot be used with your TV. For detail, see the instruction manual supplied with the video game software.	_	-

Symptom	Possible cause	Solutions	Page
TV cabinet creaks.	Changes in room temperature sometimes make the TV cabinet expand or contract, causing a noise. This does not indicate a malfunction.	_	_
Static discharge is felt when touching the TV cabinet.	This is the same static discharge that is felt when touching metal door handles or car doors especially when the air is dry, for example in winter. This does not indicate a malfunction.	_	-

Self-diagnosis function

Your projection TV is equipped with a self-diagnosis function. If there is a problem with your projection TV, the \circlearrowleft (standby) indicator flashes red. The number of times the \circlearrowleft indicator flashes indicates the possible causes.

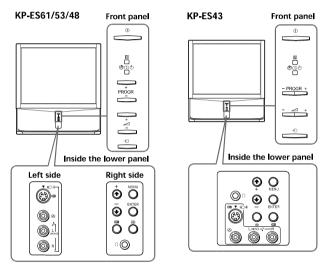


- Check that the \circlearrowleft indicator flashes red a number of times between 3-second
- Count the number of times the 1 indicator flashes.
- **3** Press ① (main power) to turn off your projection TV.
- Inform your nearest Sony service center about the number of times the \circlearrowleft indicator flashed.

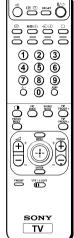
Be sure to note the model name and serial number located on the rear of your projection TV.

Identifying parts and controls

Front and inside the lower panels



_			
	Button	Function	Page
Fre	ont panel		
	0	Turn off completely or turn on the projection TV.	13
	PROGR +/-	Select program number.	13
	⊿ +/•	Adjust volume.	14
	Ð	Select TV or video input.	14
	side the lower inel		
	MENU	Display the menu.	32
	ENTER	Confirm selected items.	32
	(1)	Adjust convergence.	7
	>>	Preset channel automatically.	6
	↑ +/ ↓ -	Select menu item.	32
	0	Headphone jack	-



		v)		
				1
	 	::::::::::::::::::::::::::::::::::::::	Ö	
٥		, 0, 0, 0, 0,	U 0 0	
	-		O 0	
	<u></u> 5	50,000	Ö	

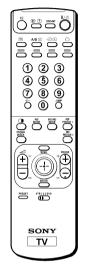
The names/symbols of buttons on the remote are indicated in different colors to represent the available functions.

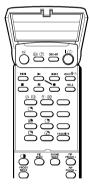
Label color	Button function	
White	For general TV operations	
Green	For Teletext operations	
Yellow	For PIP operations	

Button	Function	Page
1/也	Turn off temporarily or turn on the projection TV.	13
PROGR +/-	Select program number.	13
0 - 9, -/	Input numbers.	13
(1)	Display on-screen information.	14
0%	Mute the sound.	14
0	Display the TV program.	14
Ð	Select TV or video input.	14
∠ +/-	Adjust volume.	14
JUMP	Jump to previous channel.	14
Timer operations		
9	Set projection TV to turn on automatically.	16
9	Set projection TV to turn off automatically.	16
SOUND MODE	Select sound mode.	17
PIC MODE	Select picture mode.	17
DRC-MF	Select DRC-MF mode.	18
Favorite Channel	operations	
FAVORITE	Display favorite channels.	19
(Select desired channel.	19
PIP and Twin pictu	ire operations	
o '	Display the PIP screen.	20
0	Display TWIN pictures.	20
<u> </u>	Adjust Twin picture size.	21
PIP PROGR +/ PIP PROGR -	Change program in PIP/ Twin picture.	21
•	Select video input for PIP/ Twin picture.	21
2	Swap main and PIP/Twin picture.	21
<u></u>	Freeze PIP screen.	21
3	Adjust position of PIP screen.	21

continued

Identifying parts and controls (continued)

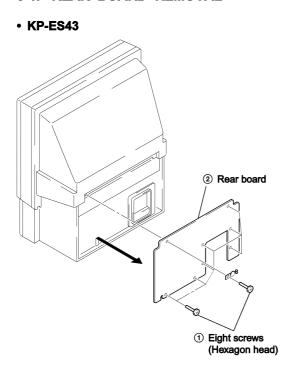


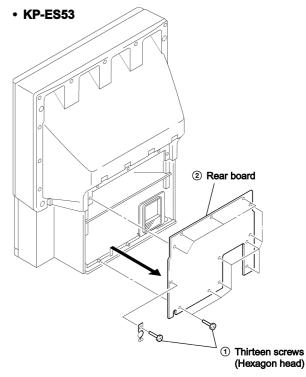


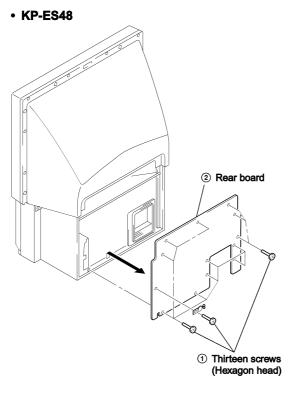
Button	Function	Page		
Program Index operations				
PROGR INDEX		22		
	programs.			
PROGR +/-	View next/previous 12 TV	22		
(programs. Select desired channel.	23		
Stereo/bilingual o		23		
A/B	Select stereo/bilingual mode.	24		
Teletext operation		24		
	Display Teletext broadcast.	26		
<u> </u>	Display Teletext service contents.	27		
<u></u>	Stop Teletext page from scrolling.	27		
<u> </u>	Reveal concealed information.	27		
(Enlarge the Teletext display.	27		
Ø	Show TV screen while waiting	27		
V.3	for Teletext page.			
0 - 9	Input Teletext page number.	27		
PROGR +/-	Display the next or previous page.	27		
(red, green, yellow, blue)	Access a FASTEXT menu.	27		
Optional compone	ents operations			
VTR	Set up the remote.	28		
VIDEO I/Ů	Power.	29		
TITLE	Display the title menu.	29		
	Play.	29		
▶ ▶I	Fast forward/Search forward.	29		
I	Rewind/Search backward.	29		
•	Record.	29		
	Stop.	29		
II	Pause.	29		
Menu operations				
MENU	Display the menu.	32		
③	Select, adjust and confirm selected items.	32		
ENTER	Confirm selected items.	32		
PRESET	Display "MANUAL PROGRAM" menu.	44		

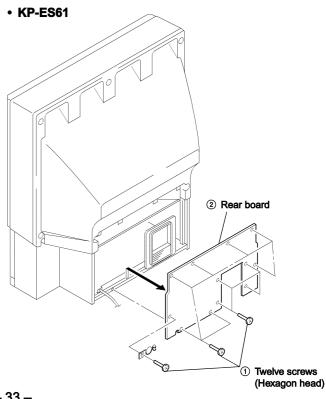
SECTION 3 DISASSEMBLY

3-1. REAR BOARD REMOVAL



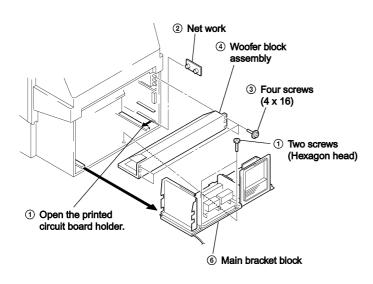






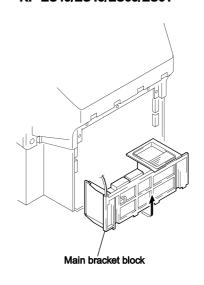
3-2. MAIN BRACKET BLOCK REMOVAL

• KP-ES43

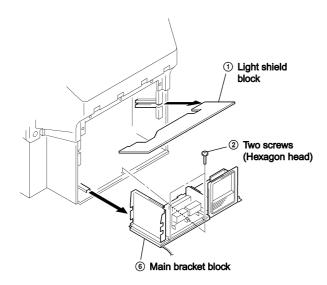


3-3. SERVICE POSITION

• KP-ES43/ES48/ES53/ES61

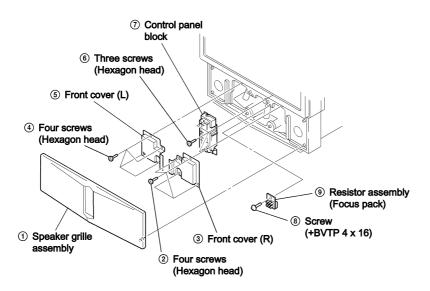


• KP-ES48/ES53/ES61

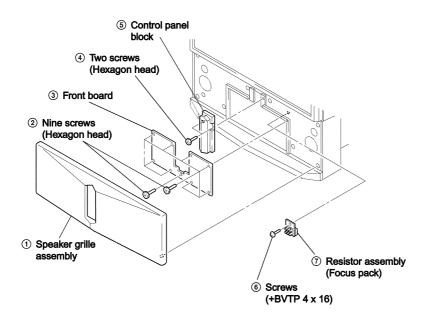


3-4. CONTROL PANEL BLOCK AND RESISTOR ASSEMBLY (FOCUS PACK) REMOVAL

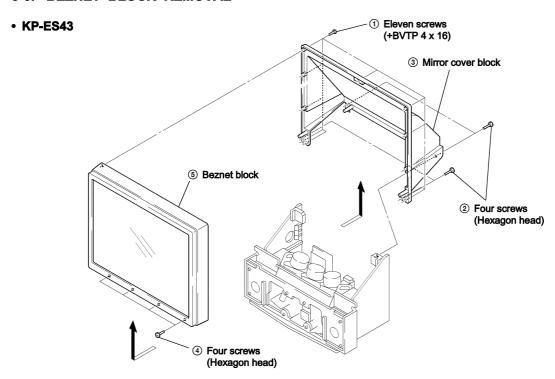
• KP-ES43

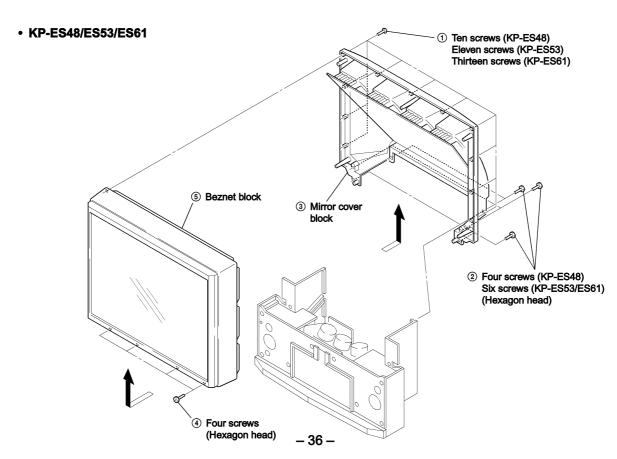


• KP-ES48/ES53/ES61



3-5. BEZNET BLOCK REMOVAL

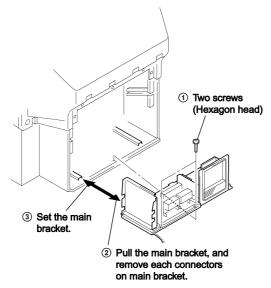




3-6. CHASSIS BLOCK REMOVAL

(1) MAIN BRACKET REMOVAL

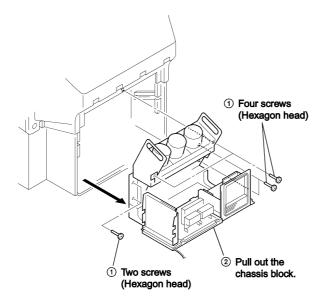
• KP-ES43/ES48/ES53/ES61



※ Pay particular attention to the wires of each Printed circuit boards when puling out the main bracket.

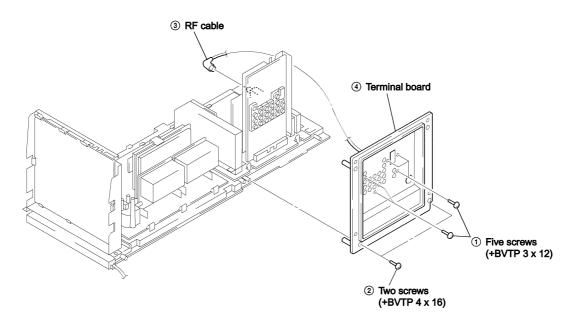
(2) CHASSIS BLOCK REMOVAL

• KP-ES43/ES48/ES53/ES61

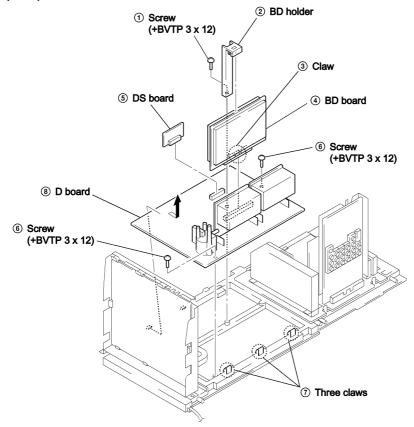


 Pull out the chassis block by gripping the handles as shown in the diagram.
 At this time, pay particular attention to the components removed in (1).

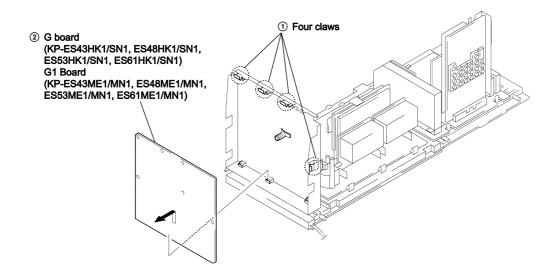
3-7. TERMINAL BOARD REMOVAL



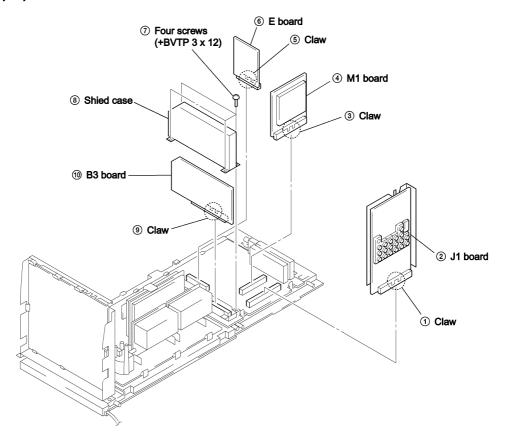
3-8. BD, DS, D BOARDS REMOVAL



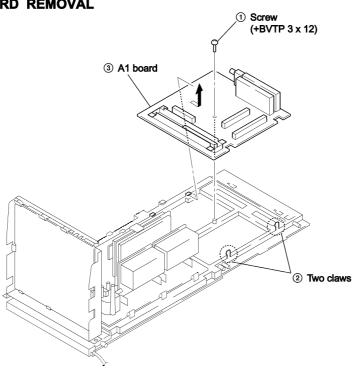
3-9. G, G1 BOARD REMOVAL



3-10. J1, B3, E, M1 BOARDS REMOVAL

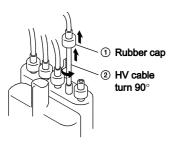


3-11. A1 BOARD REMOVAL

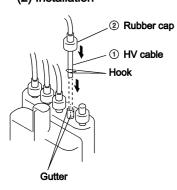


3-12. HIGH-VOLTAGE CABLE REMOVAL AND INSTALLATION

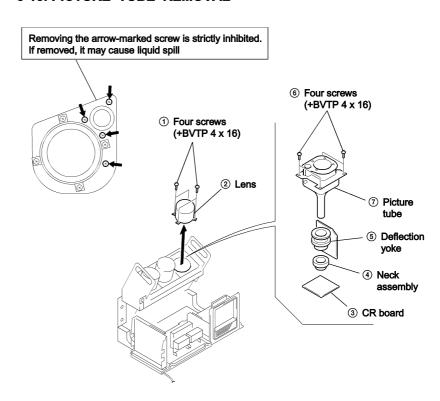
(1) Removal



(2) Installation



3-13. PICTURE TUBE REMOVAL



SECTION 4 SET-UP ADJUSTMENTS

4-1. SCREEN VOLTAGE ADJUSTMENT (ROUGH ALIGNMENT)

- 1. Receive the Monoscope signal.
- 2. Set 50% BRIGHTNESS and minimum PICTURE.
- Turn the red VR on the focus pack all the way to the left and then gradually turn it to the right until the point where you can see the retrace line.
- 4. Next gradually turn it to the left to the position where the retrace line disappears.

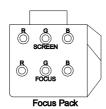


Fig. 4-1

4-2. SCREEN (G2) ADJUSTMENT

- 1. Turn on the power of the set.
- 2. Select VIDEO1 mode without signals.
- Supply DC 175 ±0.5 V from external power supply to TP7103 (KR), TP7203 (KG) or TP7303 (KB) of CR board, CG board and CB board.
- 3. Adjust red, green and blue screen voltage to until retrace line disappears with screen VR on the focus pack.

4-3. FOCUS ROUGH ADJUSTMENT

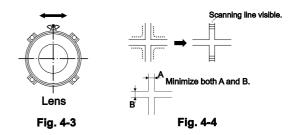
- 1. Loose the lens screw.
- 2. Set in the service mode. (Refer to SECTION 6.)
- Place the caps on the red and blue lens so that only the green color is shown.
- 4. Press "①" or "④" button on the commander and select "PJE", press "⑥" three times on the Commander to display the test signal (crosshatch) on the screen.



Test signal Fig. 4-2

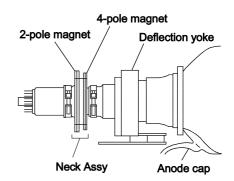
Rotate the green lens and align to obtain the best lens focus at the center area.

- 6. Rotate the green focus VR on the focus pack and align to obtain the best electrical focus in the top right corner.
- Perform the same alignment for red and blue lenses and electric focus.
- 8. Fix lens screw.



4-4. DEFLECTION YOKE TILT ADJUSTMENT

- 1. Receive the Monoscope signal.
- Place the caps on the red and blue lens so that only the green color.
- Loosen the deflection yoke setscrew and align the tilt of the Deflection yoke so that the bars at the center of the monoscope pattern are horizontal.
- 4. After aligning the deflection yoke, fasten it securely to the funnel-shaped portion (neck) of the CRT.
- The tilt of the deflection yoke for red and blue is aligned the same as was done for green.

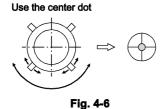


Make sure deflection yoke is touching CRT closely.

Fig. 4-5

4-5. 2-POLE MAGNET ADJUSTMENT

- 1. Receive the Dot signal.
- Place the caps on the red and blue lens so that only the green color is shown.
- 3. Turn the green focus VR on the focus pack to the right and set to over focus to enlarge the spot.
- Now align the 2-Pole Magnet so that the enlarged spot is in the center of the just focus spot. (center of the dot doesn't move)
- 5. Align the green focus VR and set for just (precise) focus.
- 6. Perform the same alignment for red and blue.



4-6. 4-POLE MAGNET ADJUSTMENT

- 1. Receive the Dot signal.
- Place the caps on the red and blue lens so that only the green color is shown.
- 3. Turn the green focus VR on the focus pack to the left and set to under focus to enlarge the spot.
- Now align the 4-Pole Magnet so that the enlarged spot becomes a perfect circle.
- 5. Perform the same alignment for red and blue.

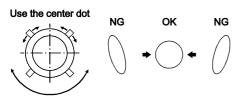


Fig. 4-7

4-7. GREEN, RED AND BLUE FOCUS ADJUSTMENT

4-7-1. Green, Red and Blue Lens Focus Adjustment

- 1. Receive the Monoscope signal.
- Place the caps on the red and blue lens so that only the green color is shown.
- 3. Rotate the green lens and adjust to obtain the best lens focus at the center area.
- 4. Fix lens screw.
- 5. Repeat above process for red and blue.

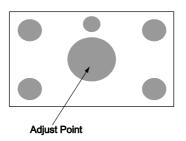


Fig. 4-8

4-7-2. Green, Red and Blue Electrical Focus Adjustment

- 1. Receive the Monoscope signal.
- Place the caps on the red and blue lens so that only the green color is shown.
- 3. Rotate the green focus VR on the focus pack and adjust to obtain the best electrical focus in the adjust point.
- 4. Repeat above process for red and blue.
- Repeat adjustment items 4-3. FOCUS ROUGH ADJUST-MENT, 4-5. 2-POLE MAGNET ADJUSTMENT, 4-6. 4-POLE MAGNET ADJUSTMENT and 4-7. GREEN, RED AND BLUE FOCUS ADJUSTMENT, and adjust to obtain the best focus.

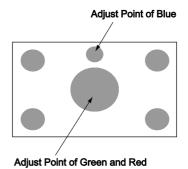


Fig. 4-9

SECTION 5 SAFETY RELATED ADJUSTMENT

When replacing the following components marked with \square on the schematic diagram, always check hold-down voltage and if necessary re-adjust.

Part Replaced (☑)	
R9901	

	Part Replaced (☑)
D Board	C5117, C5123, C5127, C5143, D5115, D5204, Q5104, R5136, R5138, R5140, R9901, T5102, T5104, T5103 (FBT)
G Board	C6024, C6032, D6020

5-1. HV HOLD-DOWN ADJUSTMENT

- 1. Connect HV static voltmeter to HV Block.
- 2. Mount a resistor (R9901 : 43 $k\Omega$, 1/4 W, METAL FILM) at CN5003.
- 3. Remove CN5002 and connect External Power Supply to CN5002 ① pin (+135 V) and ② pin (GND).
- 4. Turn on the set.

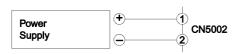
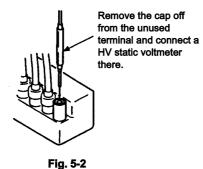


Fig. 5-1



CN5003
CN5002

CN5002

Fig. 5-3



Fig. 5-4

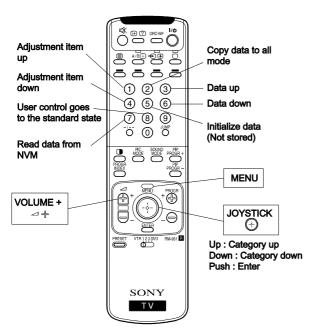
- Receive the Dot signal and set PICTURE/BRIGHTNESS to minimum.
- 6. Slowly up the supply voltage from 0 V to 135 V until hold-down circuit works (picture disappear).
- 7. Read the HV static voltmeter of peak HV voltage. Spec: 33.7 ~ 35.3 kV
- 8. If Hold-down voltage is less than 33.7 kV then replace R9901 of 43 k Ω with that of 39 k Ω , and check if the voltage is within the spec.
- 9. If hold-down voltage is over than 35.3 kV then replace R9901 of 43 k Ω with that of 47 k Ω , and check if the voltage is within the spec.

SECTION 6 ELECTRICAL ADJUSTMENTS

6-1. ADJUSTMENTS WITH COMMANDER

Service adjustment to this model can performed with the supplied remote commander RM-961

(open the cover) MUTE TV STANDBY Write data to NVM ON SCREEN → vocol/G DISPLAY (+) <u>~</u> = DRC-MF (blue) Copy PAL data to NTSC ٥ **SWAP TWIN** Change the PICTUER MODE **PROGR** INDEX



RM-961

6-1-1. How to Select Each Mode

The adjustment requires the following modes:

	50 Hz (PAL)	60 Hz (NTSC)	WIDE 60 Hz (NTSC)
DRC1250	0	0	0
DRC100	0	0	X
PIP	0	0	0
TWIN	0	0	X
INDEX	0	0	X

1. Selection of Mode Between 50 Hz and 60 Hz

50 Hz : Enter the PAL signal. 60 Hz : Enter the NTSC signal.

WIDE 60 Hz : Enter the NTSC signal with video input

2. Selection of DRC Mode

Press "DRC-MF (blue)" button on the commander, repeatedly until displays the mode that you want to select on the screen.

Note: The DRC-MF mode is not selectable when using the "PROGRAM INDEX" or "FAVORITE CH" feature, or when the "GAME MODE", "PIP", or "TWIN" mode is turned "ON".

3. Selection of WIDE mode

The WIDE mode is selected only when the DRC1250 of NTSC signal with video input mode is active.

- 1) Enter the NTSC signal with video input.
- Press "DRC-MF (blue)" button on the commander to select "DRC1250".
- 3) Press "MENU" button on the commander and move "⊕" up or down to enter the "FEATURE" → "WIDE MODE".
- 4) Move "The up or down to select "ON" or "OFF", and push "The (ENTER)" button.
- 5) Press "MENU" button to return to normal screen.

4. Selection of PIP mode

- 1) Open the remote control cover, press " (PIP)" button on the commander.
- 2) Press " (PIP)" button again to return to normal screen.

5. Selection of TWIN mode

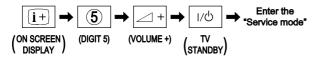
- 1) Press " (TWIN)" button on the commander.
- 2) Press "I (TWIN)" button again to return to normal screen.

6. Selection of INDEX mode

- 1) Press "PROGR INDEX" button on the commander.
- 2) Press "PROGR INDEX" button again to return to normal screen.

6-1-2. How to Enter Service Mode

- Turn on the main power switch to place this set in standby mode. (LED will light in red.)
- 2. Press the buttons on the commander as follows, and enter service mode.

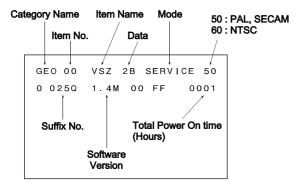


6-1-3. Method of Cancellation from Service Mode

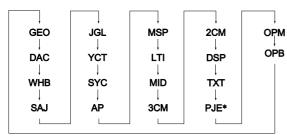
1. Set the standby mode (Press "I/O (TV STANDBY)" button on the commander), then press "I/O (TV STANDBY)" button again, hereupon it becomes TV mode.

6-1-4. How to Adjustments

1. Set in the service mode, the following screen will appear.



- Press "①" or "④" button on the commander to select the adjustment item.
- 3. Press "3" or "6" button on the commander to change the adjustment data.
- 4. Move "D" up or down to select the adjustment category.
 When move "D" up (category up), service mode changes in the order as shown below.



*: When it moves from PJE to other categrys, repeat ① or ④ button and press it.

6-1-5. How to Write the Data

- 1. Set in the service mode.
- Press "①" or "④" button on the commander, select the adjustment item, and press "③" or "⑥" button to change the data.
- 3. Press " (MUTE)" button on the commander and it will indicate "WRITE" on the screen.
- Press "①" button on the commander to write into memory. (The "WRITE" display will be changed to red color while executing, and back to "SERVICE".)

Commander Function (Except PJE mode)

Button	Mode	Description
₩+0	WRITE	Writes data to NVM.
7+0	READ	Reads data from NVM.
8+0	NORMAL	All user control goes to the standard.
5 + 0	INITIAL	Service data initialization. Not stored.
		(Be sure not to use usually)
2+0	COPY	Copies and writes data of DRC1250
		(50Hz) mode to all other modes.
(i+) + (i)	WRT5060	Copies data of 50 Hz (PAL) mode to
		60 Hz (NTSC) mode.

Note: Before changing to other modes, press " (MUTE)" +
" (1)" buttons on the commander to write the data.

(Omission of this operation causes the data to be returned to the data before adjustment.)

- : Confirm the adjustment mode before writing data for data values because to vary in each adjustment mode.
- : The adjustment item that there are no relations in the adjustment is not to change data values because all items are written in each adjustment mode.

6-1-6. Memory Write Confirmation Method

- After adjustment, pull put the plug from AC outlet, and then plug into AC outlet again.
- 2. Turn the power switch ON and set in service mode.
- Call the adjustment items again to confirm adjustments were made.

6-2. SERVICE LIST

Note

- Common: The data value of each mode commonness. Others are set up by each mode.
- Shaded items are fixed data.
- Though data value is indicated on the screen, it is not used.
- Standard data listed on the Adjustment Item Table are reference values, therefore it may be different for each model and for each model.
- Note for Different Data:

Those are the standard data values written on the microprocessor. Therefore, the data values of the modes and stored respectively in the memory.

In case of a device replacement, adjustment by rewriting the data value is necessary for some items.

OPTION NOTE

Category: OPM

Item: COM Comb Operation Selection 00 = automatic operation (depends on color system status)

01 = no comb operation 02 = forced 2D-comb operation 03 = forced 3D-comb operation

Item: TSY TV System Selection for Auto TV System 00 = B/G, 01 = I, 10 = D/K, 11 = M

Item: SSO Speed CH Search Selection 00 = normal, 01 = 4 times, 10 = 6 times, 11 = 8 times

Item: TRP MPEG/JPEG Noise Reduction

Bit	bit7	bit6	bit5	bit4	bit3	bit2	bit1	bit0
Input	_	_	TV	Video 1	Video 2	Video 3	Video 4	DVD

Category: OPB

OP1	bit7	bit6	bit5	bit4	bit3	bit2	bit1	bit0
Item	TOP	NICAM	HDEV	(reserved)	-	DVD Input	AV I	nput
Data	1	1	1	0	0	1	1	1

AV Input 00 = no AV Input 01 = 1 AV Input 10 = 3 AV Input 11 = 4 AV Input

OP2	bit7	bit6	bit5	bit4	bit3	bit2	bit1	bit0
Item	C-Text	Korean Stereo	Korean Mode	A-TVsys	US ST	SSV Mode	OSD La	nguage
Data	0	0	0	1	0	0	1	1

C-Text **Text Decoder Selection** 0 = original,1 = chineseKorean Stereo* 1 = enabledKorean Stereo 0 = disabled,Video NTSC 3.58* Video Color System 0 = Multi System, 1 = Single System 1 = enabledA-TVsys Auto TV System in Auto Program 0 = disabled,US ST* **USA Stereo** 0 = disabled,1 = enabled

SSV Model SSV-production Model 0 = original, 1 = disable PIP/TWIN/Digital

OSD Language 00 = English only, 01 = English & Chinese,

10 = English & Arabic/Korean* 11 = English, Chinese & Arabic/Korean*

^{*:} APPLICABLE FOR NTSC MODELS ONLY

V: WIDE (V-Compressed) mode

	Ι.											Stande	rd Data								
Category		ltem	Function	_Data		Ę	60Hz (PAI	_)				60	Hz (NTS	C)				ECO	Mode		Device Name
Category	No.	Name	, unction	Range	DRC 1250	PIP	INDEX	TWIN	DRC 100	DRC 1250	DRC 1250 V	PIP	P I P V	INDEX	TWIN	DRC 100	ECO ON	ECO OFF	ECO ON V	ECO OFF V	Device Name
GEO	00	VSZ	V SIZE	00 ~ 3F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F					CXA2100AQ
	01	VPS	V POSITION	00 ~ 3F	23	23	1F	1F	23	1F	1F	1F	1F	1F	1F	1F					
	02	VLN	V LINEARITY	00 ~ 0F	07	07			07	07	07	07	07			07					
	03	SCO	S CORRECTION	00 ~ 0F	07	07			07	07	07	07	07			07					
	04	HSZ	H SIZE	00 ~ 3F	33	33	33	33	33	33	33	33	33	33	33	33					
	05	HPS	H POSITION	00 ~ 3F	37	37	37	37	37	37	37	37	37	37	37	37					
	06	DVH	H POSITION OFFSET FOR DVD	00 ~ 0F	09					07											
	07	PAP	PIN AMP	00 ~ 3F	22	22			22	22	22	22	22			22					
	08	UPN	UPPER CORNER PIN	00 ~ 3F	22	22	22	22	22	22	22	22	22	22	22	22					
	09	LPN	LOWER CORNER PIN	00 ~ 3F	22	22	22	22	22	22	22	22	22	22	22	22					
	0A	TRZ	TRAPEZIUM	00 ~ 0F	06	06	06	06	06	06	06	06	06	06	06	06					
	0B	AGL	AFC ANGLE	00 ~ 0F	07	07			07	07	07	07	07			07					
	0C	BOW	AFC BOW	00 ~ 0F	07	07			07	07	07	07	07			07					
	0D	LBL	LEFT H BLANKING	00 ~ 3F	34	34	34	34	34	34	34	34	34	34	34	34					
	0E	RBL	RIGHT H BLANKING	00 ~ 3F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F	1F					
	0F	MPN	MIDDLE PIN DISTORTION COMPENSATION	00 ~ 03	00					00	00										
	10	UVL	UPPER V LINEARITY	00 ~ 0F	00					00											
	11	LVL	LOWER V LINEARITY	00 ~ 0F	00					00											
	12	HCP	HORIZONTAL HIGH VOLTAGE COMPENSATION	00 ~ 03	01					01	01										
	13	VCP	VERTICAL HIGH VOLTAGE COMPENSATION	00 ~ 03	00					00	00										
	14	VAS	V ASPECT	00 ~ 3F	2F	2F	2F	2F	2F	2F	2C	2F	2C	2F	2F	2F					
	15	VSC	V SCROLL	00 ~ 3F	1F	1F	1F	1F	1F	22	22	22	22	22	22	22					
	16	USC	UNDER-SCAN MODE ON/OFF	00, 01	00					00	01										
	17	VBW	V BLANKING WIDTH CONTROL	00 ~ 03	00	00			00	00	03	00	03			00					
	18	AT1	AKB REFERENCE TIMING	00 ~ 03	00	00			00	00	00	00	00			00					
	19	CPY	COPY THE GEO DATA TO ALL 50/60Hz NVM AREA	00, 01																	
DAC	00	НСТ	H CENTER	00 ~ FF																	MB88141
	01	HLN	H LINEARITY	00 ~ 3F																	
	02	MDP	MIDDLE PIN	00 ~ 3F																	
	03	CCP	LOWER CORNER PIN	00 ~ 3F																	
	04	HTR	HORIZONTAL TRAPEZIUM	00 ~ 3F																	
	05	DF	DF ON/OFF SWITCH	00, 01																	
	06	DPH	DF PHASE	00 ~ 3F																	
	07	QPH	QP PHASE	00 ~ 3F																	
	08	QAC	QP AMPLITUDE	00 ~ 3F																	
	09	QDC	QP DC LEVEL	00 ~ 3F																	
	0A	QDV	QP V MODULATION	00 ~ 3F																	
	0B	QAV	QP AMPLITUDE MODULATION	00 ~ 3F																	
	0C	ABC	ABL D/A CONTROL	00 ~ FF													00	00	7E	7E	
	0D	CPY	COPY THE DAC DATA TO ALL 50/60Hz NVM AREA	00, 01									0				•	1	1		

Category	ĺ	tem	Function	Data	Standerd Data	Device Name
Category	No.	Name	i uncuon	Range	Common	Device Name
WHB	00	СВО	DC OFFSET CANCELLER FOR CB1	00 ~ 0F	0A	CXA2100AQ
	01	CRO	DC OFFSET CANCELLER FOR CR1	00 ~ 0F	0A	
	02	SBR	SUB BRIGHTNESS CONTROL	00 ~ 3F	25	
	03	RDR	R DRIVE	00 ~ 3F	29	
	04	GDR	G DRIVE	00 ~ 3F	29	
	05	BDR	B DRIVE	00 ~ 3F	29	
	06	RCT	R CUTOFF	00 ~ 3F	29	
	07	GCT	G CUTOFF	00 ~ 3F	1A	
	80	вст	B CUTOFF	00 ~ 3F	29	
	09	SBO	SUB BRIGHTNESS OFFSET	00 ~ 3F	1F	
	0A	RDO	R DRIVE OFFSET	00 ~ 3F	1F	
	0B	GDO	G DRIVE OFFSET	00 ~ 3F	1F	
	0C	BDO	B DRIVE OFFSET	00 ~ 3F	1F	
	0D	RCO	R CUTOFF OFFSET	00 ~ 3F	1F	
	0E	GCO	G CUTOFF OFFSET	00 ~ 3F	1F	
	0F	всо	B CUTOFF OFFSET	00 ~ 3F	1F	

V : WIDE (V-Compressed) mode

													Standero	l Data								
Category	'	tem	Function	Data			0Hz (PAI	_)	60	OHz (NTS	C)				Picture	e Mode			ECO	Mode		Device Name
	No.	Name	••••	Range	Common	TV	Video	DVD	TV	Video	DVD	Twin	Index	Dynamic	Standard	Hi-Fine	Personal	ECO ON	ECO OFF	ECO ON V	ECO OFF V	
SAJ	00	PIC	PICTURE CONTROL	00 ~ 3F										3F	2C	1C						CXA2100AQ
	01	BRT	BRIGHTNESS CONTROL	00 ~ 3F										21	1F	1B						
	02	COL	COLOR CONTROL	00 ~ 3F										27	1F	1F						
	03	HUE	HUE CONTROL	00 ~ 3F										1F	1F	1F						
	04	SHP	SHARPNESS CONTROL	00 ~ 3F										22	1F	1D						
	05	VML	VM LEVEL	00 ~ 03										03	03	02	03					
	06	DYC	DYNAMIC COLOR ON/OFF	00, 01										01	01	00	01					
	07	СТМ	COLOR TEMPERATURE FOR DYNAMIC COLOR	00, 01										00	00	00	00					
	08	CAX	COLOR MATRIX SPECIFICATION	00 ~ 03			02			00												
	09	GMA	GAMMA CORRECTION	00 ~ 03										03	03	03	03					
	0A	DCT	DC TRANSMISSION CONTROL	00 ~ 03										01	00	00	00					
	0B	DPL	AUTO PEDESTAL LEVEL CONTROL	00 ~ 03										02	01	00	01					
	0C	ABM	ABL MODE CONTROL	00 ~ 03										01	00	00	00					
	0D	ABT	ABL CURRENT DETECTION Vth CONTROL	00 ~ 03														02	00	02	00	1
	0E	CLO	COLOR OFFSET	00 ~ 0F		07	07		0C	0C												
	0F	CLW	COLOR STEP WIDTH TO THE CHANGE OF S/N	00 ~ 07	01																	
	10	HUO	HUE OFFSET	00 ~ 0F		08	08		09	09												1
	11	SHO	SHARPNESS OFFSET	00 ~ 1F		0F	0F	0F	0C	0F	0F											1
	12	SHW	SHARPNESS STEP WIDTH TO THE CHANGE OF S/N	00 ~ 07	01																	
	13	PIO	PICTURE OFFSET FOR TWIN/INDEX	00 ~ 07								07	07									1
	14	BRO	BRIGHTNESS OFFSET	00 ~ 0F														07	07	07	07	1
JGL	00	PON	RGB AND AKB REFERENCE PULSE OUTPUT ON/OFF	00, 01	01																	CXA2100AQ
	01	RGB	RGB OUTPUT SELECTION	00 ~ 07	07																	
	02	AGG	AGING MODE SELECTION	00 ~ 03	00																	
	03	DPS	Y/C DELAY LINE PASS MODE SWITCH	00, 01	00																	
	04	BBT	RGB BOTTOM LIMITTER CONTROL	00 ~ 03	03																	
	05	LML	RGB AMPLITUDE LIMITTER CONTROL	00 ~ 03	00																	
	06	PAB	DC LEVEL FOR PEAK ABL	00 ~ 0F	0F																	
	07	sco	SUB PICTURE CONTROL	00 ~ 0F	07																	Ī
	08	LV2	RGB LEVEL FOR RGB2	00 ~ 0F	06																	Ī
	09	SF0	SHARPNESS CIRCUIT F0	00, 01		01	01	01	01	01	01											Ī
	0A	PRO	PRE/OVER-SHOOT RATIO CONTROL	00 ~ 03		00	03	03	03	03	03											1
	0B	LTI	LUMINANCE TRANSIENT IMPROVEMENT	00 ~ 03										02	02	00	02					
	0C	CTI	CHROMINANCE TRANSIENT IMPROVEMENT	00 ~ 03										01	01	00	01					

									S	Standerd Data						
Category	ľ	tem	Function	Data						7	V	Vi	deo	D	VD	Device Name
	No.	Name		Range	Common	2D Comb	3D Comb	S-Input	others	50Hz (PAL)	60Hz (NTSC)	50Hz (PAL)	60Hz (NTSC)	50Hz (PAL)	60Hz (NTSC)	
YCT	00	TNT	TINT ADJUSTMENT FOR NTSC	00 ~ 3F						2	24		IF			CXA2123Q
	01	PNG	PAL/NTSC GATE WIDTH	00, 01	01											
	02	PNI	PAL/NTSC SENSITIVITY SW	00, 01	00											
	03	SCL	SUB COLOR CONTROL	00 ~ 0F						07	07	07	07			
	04	SCT	SUB CONTRAST CONTROL	00 ~ 0F						08	07	08	07			
	05	SF0	SHARPNESS CENTER FREQUENCY CHANGING	00 ~ 03	02											
	06	SEQ	SHARPNESS EQUALIZER CHARACTERISTIC	00 ~ 03	03											
	07	SHG	SHARPNESS GAIN CONTROL	00 ~ 0F						05	06	05	06	05	05	
	08	YOL	Y-OUTPUT LEVEL CONTROL	00 ~ 3F	1F											
	09	BSP	BLACK STRETCH START POINT CHANGING	00 ~ 03	00											
	0A	COL	CB/CR OUTPUT LEVEL CONTROL	00 ~ 3F	1A											
	0B	DCR	DC RESTORATION RATIO ADJUSTMENT	00 ~ 03	00											
	0C	BF0	BPF/TQF F0 ADJUSTMENT	00 ~ 03	01											
	0D	BFQ	BPF/TQF Q ADJUSTMENT	00 ~ 03	02											
	0E	FSW	BPF/TQF SWITCH	00, 01	01											
	0F	SDT	SECAM DOUBLE TRAP SWITCH	00, 01	01											
	10	LPF	Y/CB/CR LPF SWITCH	00, 01	01											
	11	YDL	Y-DL TIME ADJUSTMENT	00 ~ 0F		06	05	05	03							
	12	CMT	CB/CR OUTPUT MUTE SWITCH	00, 01	00											
	13	BO1	CB OFFSET ADJUSTMENT (MAIN ROUTE)	00 ~ 0F	07											
	14	RO1	CR OFFSET ADJUSTMENT	00 ~ 0F	07											
	15	CDF	V COUNT DOWN FREQUENCY SWITCH	00 ~ 07	00											
	16	CDM	V COUNT DOWN JUDGE SWITCH	00 ~ 03	00											
	17	AFC	AFC SENSITIVITY SWITCH	00 ~ 03								C	00	(00	
	18	MVM	MACROVISION MASK + AFC MASK	00, 01	00											
	19	SRY	SECAM R-Y BLACK ADJUSTMENT	00 ~ 0F	07											
	1A	SBY	SECAM B-Y BLACK ADJUSTMENT	00 ~ 0F	01											
	1B	BEL	SECAM BELL/HPF SWITCHING	00 ~ 03	02											
	1C	BLF	BELL F0 ADJUSTMENT	00, 01	00											
	1D	SVI	SECAM V-ID SWITCH	00, 01	00											
	1E	SGP	SECAM GATE POSITION ADJUSTMENT	00 ~ 03	00											
	1F	SID	SECAM SENSITIVITY SWITCH	00, 01	01											
	20	SIH	SECAM INHIBITION SWITCH	00, 01	00											
	21	STP	Y BLACK LEVEL SETUP FOR PAL PLUS	00, 01	00											
	22	HVC	H-VCO TEMPERATURE CHARACTER CANCELLING	00 ~ 03	02											
	23	3NR	3D NR OPERATION ON/OFF	00, 01	01											
	24	BW6	3D NR FOR 60Hz NON-BURST SIGNAL ON/OFF	00, 01	01											
	25	WSH	SHARPNESS GAIN STEP FOR NOISE REDUCTION	00 ~ 03	00											
	26	wco	CB/CR OUTPUT LEVEL STEP FOR NOISE REDUCTION	00 ~ 03	00											

	l .								Stande	erd Data					
Category		tem	Function	Data				Col Mode		-	TV	Vi	deo		Device Name
Janogory	No.	Name		Range	Common	S-Input	SECAM	NTSC	PAL	50Hz (PAL)	60Hz (NTSC)	50Hz (PAL)	60Hz (NTSC)	DVD	2011001101110
SYC	00	TNT	TINT ADJUSTMENT FOR NTSC	00 ~ 3F							21	:	20		CXA2123Q
	01	PNG	PAL/NTSC GATE WIDTH	00, 01	01										
	02	PNI	PAL/NTSC SENSITIVITY SW	00, 01	00										
	03	SCL	SUB COLOR CONTROL	00 ~ 0F						06	06	07	07		
	04	SCT	SUB CONTRAST CONTROL	00 ~ 0F						08	07	08	07		
	05	SF0	SHARPNESS CENTER FREQUENCY CHANGING	00 ~ 03	02										
	06	SEQ	SHARPNESS EQUALIZER CHARACTERISTIC	00 ~ 03	03										
	07	SHG	SHARPNESS GAIN CONTROL	00 ~ 0F	07										
	08	YOL	Y-OUTPUT LEVEL CONTROL	00 ~ 3F	1F										
	09	BSP	BLACK STRETCH START POINT CHANGING	00 ~ 03	00										
	0A	COL	CB/CR OUTPUT LEVEL CONTROL	00 ~ 3F	1A										
	0B	DCR	DC RESTORATION RATIO ADJUSTMENT	00 ~ 03	00										
	0C	BF0	BPF/TQF F0 ADJUSTMENT	00 ~ 03	01										
	0D	BFQ	BPF/TQF Q ADJUSTMENT	00 ~ 03	02										
	0E	FSW	BPF/TQF SWITCH	00, 01	01										
	0F	SDT	SECAM DOUBLE TRAP SWITCH	00, 01	01										
	10	LPF	Y/CB/CR LPF SWITCH	00, 01	01										
	11	YDL	Y-DL TIME ADJUSTMENT	00 ~ 0F		05	03	02	03						
	12	NCM	1-H ADDITION SWITCH	00, 01	01										
	13	CMT	CB/CR OUTPUT MUTE SWITCH	00, 01	00										
	14	BO1	CB OFFSET ADJUSTMENT (MAIN ROUTE)	00 ~ 0F	07										
	15	RO1	CR OFFSET ADJUSTMENT	00 ~ 0F	07										
	16	CDF	V COUNT DOWN FREQUENCY SWITCH	00 ~ 07	00										
	17	CDM	V COUNT DOWN JUDGE SWITCH	00 ~ 03	00								00	00	
	18	AFC	AFC SENSITIVITY SWITCH	00 ~ 03											
	19	MVM	MACROVISION MASK + AFC MASK	00, 01	00										
	1A	SRY	SECAM R-Y BLACK ADJUSTMENT	00 ~ 0F	07										
	1B	SBY	SECAM B-Y BLACK ADJUSTMENT	00 ~ 0F	01										
	1C	BEL	SECAM BELL/HPF SWITCHING	00 ~ 03	02										
	1D	BLF	BELL F0 ADJUSTMENT	00, 01	00										
	1E	SVI	SECAM V-ID SWITCH	00, 01	00										
	1F	SGP	SECAM GATE POSITION ADJUSTMENT	00 ~ 03	00										
	20	SID	SECAM SENSITIVITY SWITCH	00, 01	01										
	21	SIH	SECAM INHIBITION SWITCH	00, 01	00										
	22	STP	Y BLACK LEVEL SETUP FOR PAL PLUS	00, 01	00										
	23	HVC	H-VCO TEMPERATURE CHARACTER CANCELLING	00 ~ 03	02										

Sur : Surround mode VDD : Virtual Dolby Digital VDP : Virtual Dolby Prologic TRS : Tru Surround

SIM : Simulated

Category	I	Item	Function	Data	Standerd Data	Device Name
Category	No.	Name	Function	Range	Common	Device Name
MSP	00	WST	W/G STEREO THRESHOLD	00 ~ FF	15	MSP3415D
	01	WBT	W/G BILINGUAL THRESHOLD	00 ~ FF	EA	
	02	WLL	W/G MONAURAL THRESHOLD	00 ~ FF	05	
	03	WAC	W/G AGREEMENT COUNT	00 ~ 0F	01	
	04	WDL	W/G SEARCH DELAY	00 ~ FF	30	
	05	NDL	NICAM SEARCH DELAY	00 ~ FF	20	
	06	SDL	STEREO STATUS READ DELAY	00 ~ FF	10	
	07	AGC	AGC SWITCH AUTO/CONSTANT	00, 01	01	
	08	REL	AGC GAIN AT CONSTANT MODE	00 ~ 3F	28	
	09	CRM	CARRIER MUTING ON/OFF	00, 01	00	
	0A	ACO	AUDIO CLOCK OUT ON/OFF	00, 01	01	
	0B	FP	FM PRESCALE FOR NON-M SYSTEM	00 ~ 7F	1B	
	0C	FPM	FM PRESCALE FOR M SYSTEM	00 ~ 7F	32	
	0D	FH	FM PRESCALE FOR HDEV	00 ~ 7F	2D	
	0E	FHM	FM PRESCALE FOR HDEV AND M	00 ~ 7F	65	
	0F	WGP	W/G PRESCALE	00 ~ 7F	2A	
	10	NIP	NICAM PRESCALE	00 ~ 7F	6D	
	11	ERR	AUTO FM SWITCH THRESHOLD	00 ~ FF	50	
	12	VOL	LOUD SPEAKER GAIN 0700h to 07FFh	00 ~ FF	6D	

	14		Function					Stande	rd Data				
Category	It	em	Function R							Picture	e Mode		Device Name
0 /	No.	Name		Range	Common	Twin	TV	Video	Dynamic	Standard	Hi-Fine	Personal	
LTI	00	LDH	HISTOGRAM SEGMENT SELECTION	00, 01	01								TDA9178
	01	CFS	CONTOUR FILTER SELECTION	00, 01	01								
	02	WLB	LETTERBOX WINDOW SWITCH	00, 01	00								
	03	VDC	VIDEO DEPENDENT CORING	00, 01					01	01	01	01	
	04	DEM	DEMONSTRATION MODE	00, 01	00								
	05	CDP	LUMINANCE DELAY	00 ~ 07	04								
	06	OSP	OVERRULE SMART PEAKING	00, 01	00								
	07	WPO	WHITE POINT STRETCH OFF	00, 01	00								
	08	DSK	SKIN TONE SWITCH	00, 01					00	00	00	00	
	09	ASK	SKIN TONE ANGLE SELECTION	00, 01	00								
	0A	WSK	SKIN TONE WIDTH SELECTION	00, 01	00								
	0B	SSK	SKIN TONE SIZE SELECTION	00, 01	00								
	0C	DGR	GREEN ENHANCEMENT SWITCH	00, 01		00			*	01	00	01	
	0D	DGT	THRESHOLD OF GREEN ENHANCEMENT SWITCH	00 ~ 07	07								
	0E	GGR	GREEN ENHANCEMENT GAIN	00, 01	00								
	0F	WGR	GREEN ENHANCEMENT WIDTH	00, 01	00								
	10	SGR	GREEN ENHANCEMENT SIZE	00, 01	00								
	11	DBL	BLUE STRETCH SWITCH	00, 01	00								
	12	GBL	BLUE STRETCH GAIN SELECTION	00, 01	00								
	13	SBL	BLUE STRETCH SIZE SELECTION	00, 01	00								
	14	CDS	COLOR DEPENDENT SHARPNESS	00, 01					01	01	01	01	
	15	CST	THRESHOLD OF COLOR DEPENDENT SHARPNESS	00 ~ 07	07								
	16	CTI	COLOR TRANSIENT IMPROVEMENT	00, 01					00	00	00	00	
	17	BON	BLACK OFFSET COMPENSATION	00, 01					00	00	00	00	
	18	BTD	ADAPTIVE BLACK STRETCH	00 ~ 3F					00	00	00	00	
	19	NLD	NON-LINEARITY AMPLIFIER	00 ~ 3F		00			13	13	05	13	
	1A	NLW	STEP WIDTH OF NON-LINEARITY AMPLIFIER	00 ~ 07	07								
	1B	VGD	VAR I ABLE GAMMA	00 ~ 3F		1F			15	15	1A	15	
	1C	VGW	STEP WIDTH OF VARIABLE GAMMA	00 ~ 07	00								
	1D	PKD	PEAKING AMPLITUDE	00 ~ 3F					32	32	1D	32	
	1E	PKW	STEP WIDTH OF PEAKING AMPLITUDE	00 ~ 0F	08								
	1F	SPD	STEEPNESS CORRECTION	00 ~ 3F					00	00	00	00	
	20	CRD	CORING LEVEL	00 ~ 3F					14	0D	05	14	
	21	CRW	STEP WIDTH OF CORING LEVEL	00 ~ 0F	09								
	22	CRO	CORING LEVEL OFFSET FOR VIDEO MODE	00 ~ 0F	05								
	23	LWD	LINE WIDTH CORRECTION	00 ~ 3F	1F								
	24	SNM	S/N MODE UNDER UNRELIABLE S/N CONDITION	00 ~ 07	00								
	25	SNC	S/N RATIO AVERAGE COUNTER	00 ~ 0F			03	03					
	26	FMC	FEATURE MODE MATCHING COUNTER	00 ~ 0F	02								

	14								Stande	erd Data					
ategory	IT	em	Function	Data Range			50 Hz (PAL))				60 Hz (NTS	C)		Device Name
	No.	Name		90	DRC1250	PIP	TWIN	INDEX	DRC100	DRC1250	PIP	TWIN	INDEX	DRC100	
MID	00	HPH	HORIZONTAL ACTIVE DISPLAY AREA PHASE	00 ~ FF	3E	3E	7B	78	3E	49	49	6F	6C	49	MB94918
	01	VPH	VERTICAL ACTIVE DISPLAY AREA PHASE	00 ~ 3F	15	15	20	1A	0C	25	25	2E	2D	13	
	02	HSZ	HORIZONTAL ACTIVE DISPLAY AREA SIZE	00 ~ FF	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	
	03	VSZ	VERTICAL ACTIVE DISPLAY AREA SIZE	00 ~ FF	7F	7F	7F	7F	7F	7F	7F	7F	7F	7F	
	04	HPW	DISPLAY H-SYNC PULSE WIDTH	00 ~ 3F	3F	3F	3F	3F	3F	3F	3F	3F	3F	3F	
	05	VPW	DISPLAY V-SYNC PULSE WIDTH	00 ~ 07	03	03	03	03	03	03	03	03	03	03	
	06	YDL	DISPLAY OUTPUT Y/C DELAY CORRECTION	00 ~ 3F	00	00	00	00	00	00	00	00	00	00	
	07	MHP	MAIN PICTURE HORIZONTAL POSITION (SINGLE & PIP)	00 ~ FF	7F	7F			7F	7F	7F			7F	
	08	MVP	MAIN PICTURE VERTICAL POSITION (SINGLE & PIP)	00 ~ FF	7F	7F			7F	7F	7F			7F	
	09	MHS	MAIN PICTURE HORIZONTAL SIZE (SINGLE & PIP)	00 ~ FF	7F	7F			7F	7F	7F			7F	
	0A	MVS	MAIN PICTURE VERTICAL SIZE (SINGLE & PIP)	00 ~ FF	7F	7F			7F	7F	7F			7F	
	0B	PHP	PIP SUB PICTURE HORIZONTAL POSITION	00 ~ FF		6B					53				
	0C	PVP	PIP SUB PICTURE VERTICAL POSITION	00 ~ FF		5E					57				
	0D	PHS	PIP SUB PICTURE HORIZONTAL SIZE	00 ~ FF		7F					7F				
	0E	PVS	PIP SUB PICTURE VERTICAL SIZE	00 ~ FF		7F					7F				
	0F	PHO	PIP SUB PICTURE HORIZONTAL POSITION OFFSET	00 ~ FF		76					68				
	10	PVO	PIP SUB PICTURE VERTICAL POSITION OFFSET	00 ~ FF		6E					6B				
	11	TMP	TWIN MAIN PICTURE HORIZONTAL POSITION	00 ~ 03			01								
	12	TSP	TWIN SUB PICTURE HORIZONTAL POSITION	00 ~ FF			00								
	13	TVP	TWIN MAIN & SUB PICTURE VERTICAL POSITION	00 ~ FF											
	14	THS	TWIN MAIN & SUB PICTURE HORIZONTAL SIZE	00 ~ FF											
	15	TVS	TWIN MAIN & SUB PICTURE VERTICAL SIZE	00 ~ FF											
	16	THO	TWIN MAIN & SUB PICTURE HORIZONTAL POSITION OFFSET	00 ~ FF											
	17	TVO	TWIN MAIN & SUB PICTURE VERTICAL POSITION OFFSET	00 ~ FF											
	18	XHS	INDEX SUB PICTURE HORIZONTAL SIZE	00 ~ FF											
	19	XVS	INDEX SUB PICTURE VERTICAL SIZE	00 ~ FF											
	1A	XHG	INDEX HORIZONTAL GAP WIDTH BETWEEN PICTURES	00 ~ FF											
	1B	XVG	INDEX VERTICAL GAP WIDTH BETWEEN PICTURES	00 ~ FF											
	1C	XHP	INDEX 1st SUB PICTURE HORIZONTAL POSITION	00 ~ FF											
	1D	XVP	INDEX 1st SUB PICTURE VERTICAL POSITION	00 ~ FF											
	1E	DHP	DRC HORIZONTAL ACTIVE AREA POSITION	00 ~ FF	7	F	7	F	7F	7	F		7F	7F	
	1F	DHS	DRC HORIZONTAL ACTIVE AREA PIXEL SIZE	00 ~ FF	7	F	7	F	7F	7	F		7F	7F	
	20	DVP	DRC VERTICAL ACTIVE ARE LINE POSITION	00 ~ 3F	1.	A	3	F	1A	1.	A		39	1A	
	21	DVS	DRC VERTICAL ACTIVE AREA LINE SIZE	00 ~ FF	7	F	7	F	7F	7	F		7F	7F	
	22	VHP	VDO HORIZONTAL ACTIVE AREA POSITION	00 ~ FF			7F					7F			
	23	VHS	VDO HORIZONTAL ACTIVE AREA PIXEL SIZE	00 ~ FF			7F					7F			
	24	VEP	VDO VERTICAL ACTIVE AREA EVEN POSITION	00 ~ 3F			1E					1B			
	25	VVS	VDO VERTICAL ACTIVE AREA LINE SIZE	00 ~ FF			7F					7F			
	26	VOP	VDO VERTICAL ACTIVE AREA ODD POSITION	00 ~ 03			00					00			
	27	CLT	VDO CLAMP PULSE OUTPUT TIMING	00 ~ FF			7F					7F			
	28	CLW	VDO CLAMP PULSE WIDTH	00 ~ 07			04					04			
	29	VYD	VDO ANALOG INPUT Y/C DELAY CORRECTION	00 ~ 3F			00					00			
	2A	VCR	VDO CHROMA SIGNAL ORDER	00, 01			01					01			
	2B	VDI	VDO DIGITAL ANGLE INPUT SELECTION	00 ~ 03			01					01			

		tem							S	tanderd Da	ata					
Category	'	tem	Function	Data					NR	Mode			Picture	e Mode		Device Name
	No.	Name		Range	Common	TV	Video	NR Mode 0	NR Mode 1	NR Mode 2	NR Mode 3	Dynamic	Standard	Hi-Fine	Parsonal	
3СМ	00	FRZ	EXTERNAL MEMORY TEST BIT	00, 01	00											μPD64082
	01	NRM	NOISE REDUCTION OPERATION MODE	00 ~ 03	00											
	02	YCO	Y/C SINGLE OUTPUT SELECTION	00 ~ 0F	0D											
	03	SYC	SYSTEM CLOCK SELECTION	00 ~ 03	01											
	04	STD	STANDARD/NON-STANDARD OPERATION SELECTION	00 ~ 03	00											
	05	MSS	INTER-FRAME/INTER-LINE OPERATION SELECTION	00 ~ 03	00											
	06	KIL	KILLER/NON-KILLER OPERATION SELECTION	00 ~ 03	03											
	07	EAD	EXTERNAL Y-ADC SWITCH	00, 01	00											
	08	ECS	EXTERNAL C-SYNC INPUT SELECTION	00 ~ 03	01											
	09	CPP	ADC INPUT LEVEL & CLUMP PULSE WIDTH SELECTION	00 ~ 03	02											
	0A	PWR	ADC INPUT WIDTH SWITCH	00, 01	00											
	0B	HDP	HORIZONTAL PHASE ADJUSTMENT	00 ~ 07	05											
	0C	CDL	C-SIGNAL DELAY ADJUSTMENT	00 ~ 07	04											
	0D	DYC	DY DETECTION CORING LEVEL ADJUSTMENT	00 ~ 0F				02	02	02	04					
	0E	DYG	DY DETECTION GAIN ADJUSTMENT	00 ~ 0F				0A	0A	0A	0A					
	0F	DCC	DC DETECTION CORING LEVEL ADJUSTMENT	00 ~ 0F				05	03	03	05					
	10	DCG	DC DETECTION GAIN ADJUSTMENT	00 ~ 0F				05	0A	0A	05					
	11	YNR	YNR NON-LINEAR FILTER SETUP	00 ~ 0F	01											
	12	CNR	CNR NON-LINEAR FILTER SETUP	00 ~ 0F	01											
	13	WSC	NOISE DETECTION CORING ADJUSTMENT	00 ~ 03	01											
	14	VTH	HYSTERESIS SELECTION FOR H-SYNC NON-STANDARD	00 ~ 03		01	01									
	15	VTR	SENSITIVITY SELECTION FOR H-SYNC NON-STANDARD	00 ~ 03		01	01									
	16	LDR	SENSITIVITY SELECTION FOR FRAME-SYNC NON-STANDARD	00 ~ 03		02	01									
	17	VAP	GAIN ADJUSTMENT FOR VERTICAL SHAPE CORRECTION	00 ~ 07								03	02	00	02	
	18	VAI	VANISHING ADJUSTMENT FOR VERTICAL SHAPE CORRECTION	00 ~ 1F								0C	06	00	06	
	19	TST	TEST BIT	00, 01	00											
	1A	YPF	CENTER FREQUENCY SELECTION FOR Y-PEAKING BPF	00 ~ 03								03	03	03	03	
	1B	YPG	GAIN ADJUSTMENT FOR Y-PEAKING BPF	00 ~ 0F								08	08	08	08	
	1C	VSE	LINE COMB FILTER SETUP	00 ~ 0F	0A											
	1D	CCN	C-SIGNAL SPLIT FILTER SWITCH	00, 01	00											
	1E	cos	C-SIGNAL DELAY SWITCH AT NOISE REDUCTION	00, 01	00											
	1F	SDC	DC DETECTION SENSITIVITY SWITCH	00, 01	00											

		tem							St	tanderd Da	ata					
Category		tem	Function	Data					NR N	Mode			Picture	Mode		Device Name
	No.	Name		Range	Common	TV	Video	NR Mode 0	NR Mode 1	NR Mode 2	NR Mode 3	Dynamic	Standard	Hi-Fine	Parsonal	
3CM	20	SDY	DY DETECTION LOWER-LEVEL SENSITIVITY SWITCH	00, 01	01											μPD64082
	21	D2G	D2 GAIN SELECTION	00 ~ 07	04											
	22	YHC	Y-SIGNAL HIGHER-LEVEL CORING SELECTION	00 ~ 03								00	00	00	00	
	23	YHG	Y-SIGNAL HIGHER-LEVEL GAIN SWITCH	00, 01								00	00	00	00	
	24	SHT	NON-STANDARD DETECTION & H/V COUNTER TEST BITS	00 ~ 0F	00											
	25	CLK	CLOCK TEST BITS	00 ~ 0F	08											
	26	PLL	PLL FILTER SETUP	00 ~ 0F	0D											
	27	KRF	KILLER DETECTION REFERENCE ADJUSTMENT	00 ~ 0F	03											
	28	HSL	H-SYNC SLICE LEVEL ADJUSTMENT	00 ~ 0F	0C											
	29	VSL	V-SYNC SLICE LEVEL ADJUSTMENT	00 ~ 0F	08											
	2A	BPS	INTERNAL BURST GATE START POSITION ADJUSTMENT	00 ~ 0F	04											
	2B	BPW	INTERNAL BURST GATE WIDTH ADJUSTMENT	00 ~ 0F	0A											
	2C	ADC	ADC CLOCK DELAY SELECTION	00 ~ 03	03											
	2D	APD	ADC POWER-DOWN SWITCH	00, 01	01											
	2E	NSD	NON-STANDARD DETECTION TEST BIT	00, 01	01											
	2F	SPD	MEMORY POWER-DOWN SWITCH	00 ~ 03	02											
	30	CNT	CNR TEST BIT	00, 01	00											
2CM	00	APA	2D COMB APACON ON/OFF	00, 01												CXA2069Q

	I	tem		Data				S	tanderd Da	ta				
Category	No.	Name	Function	Range	Common	Sur VDD	Sur VDP	Sur TRS	Sur SIM	Sur OFF	Dynamic	Drama	Soft	Device Name
DSP	00	DUL	DIR UNLOCK DETECTION MODE	00 ~ 03										
	01	DIM	DIGITAL INPUT MODE	00 ~ 03										
	02	TFM	TruSurround FRONT MINUS	00 ~ 7F										
	03	TFP	TruSurround FRONT PLUS	00 ~ 7F										
	04	TCE	TruSurround CENTER	00 ~ 7F										
	05	TS1	TruSurround SURROUND #1	00 ~ FF										
	06	TS2	TruSurround SURROUND #2	00 ~ 7F										
	07	TSP	TruSurround SURROUND PLUS	00 ~ 7F										
	08	TSM	TruSurround SURROUND MINUS	00 ~ 7F										
	09	LFE	LOW FREQUENCY EFFECT	00 ~ 7F										
	0A	BHL	BBE EFFECT 1 FOR BBE HIGH	00 ~ 7F										
	0B	BHH	BBE EFFECT 2 FOR BBE HIGH	00 ~ 7F										
	0C	BLL	BBE EFFECT 1 FOR BBE LOW	00 ~ 7F										
	0D	BLH	BBE EFFECT 2 FOR BBE LOW	00 ~ 7F										
	0E	DLR	DELAY SELECTION AT DSP RESET (100msec to 1500msec)	00 ~ 07										
	0F	BBE	BBE SELECTION	00 ~ 03										

Sur : Surround mode VDD : Virtual Dolby Digital VDP : Virtual Dolby Prologic TRS : Tru Surround SIM : Simulated

ı		I	tem		Data	S	Standard Da	ia	
	Category	No.	Name	Function	Range	Common	50 Hz (PAL)	60 Hz (NTSC)	Device Name
	TXT	00	TXH	TELETEXT HORIZONTAL POSITION	00 ~ FF	61			SAA5261
		01	TXV	TELETEXT VERTICAL POSITION	00 ~ 3F	0E			

Category : PJE : Fixed data

Item	Adjustment	Data		St	andard Da	ta		
Number	Item	Range	DRC1250 (PAL)	DRC100 (PAL)	DRC1250 (NTSC)		DRC1250 VC (NTSC)	Name/Description
00	FDIS	00,01			00			SELECT REGI DATA DISPLAY OF FINE ADJ
01	OSDH	01 ~ 255	32	32	32	32	32	PJED SERVICE MENU H POSITION
02	OSDV	01 ~ 255	75	55	75	55	65	PJED SERVICE MENU V POSITION
03	FVST	00 ~ 255	54	33	54	33	54	LINE NUMBER OF FINE ADJUST START
04	V1ST	00 ~ 255	00	00	00	00	00	V1 START DATA
05	V1CU	00 ~ 255	25	50	29	58	29	V1 COUNT UP DATA
06	COHP	00 ~ 255	00	00	00	00	00	H-PHASE OF ROUGH ADJ
07	FIHP	00 ~ 255	203	203	203	203	203	H-PHASE OF FINE ADJ
08	TPHP	00 ~ 255	51	51	51	51	51	H-PHASE OF TEST PATTERN
09	DFHP	00 ~ 255	00	00	00	00	00	H-PHASE OF DYNAMIC FOCUS
10	DFHG	–128 ~ 127	-80	-80	-80	-80	-80	H-2 GAIN OF DYNAMIC FOCUS
11	DFVG	–128 ~ 127	-30	-30	-30	-30	-30	V-2 GAIN OF DYNAMIC FOCUS
12	PWM1	00 ~ 255			00			PWM1
13	PWM2	00 ~ 255			29			H-PHASE OF AUTO REGITEST PATTERN
14	HBLD	00 ~ 255			00			H-PHASE OF RETURNED BLUE V LINE
15	HBLW	00 ~ 63			00			PULSE WIDTH OF RETURNED BLUE V LINE
16	BLKP	00 ~ 255			44			START BLANK PULSE
17	COGV	–128 ~ 127			(*1)			GREEN V CENT OFFSET DATA OF AUTO REGI
18	CORV	–128 ~ 127			(*1)			RED V CENT OFFSET DATA OF AUTO REGI
19	COBV	–128 ~ 127			(*1)			BLUE V CENT OFFSET DATA OF AUTO REGI
20	COGH	–128 ~ 127			(*1)			GREEN H CENT OFFSET DATA OF AUTO REGI
21	CORH	–128 ~ 127			(*1)			RED H CENT OFFSET DATA OF AUTO REGI
22	СОВН	–128 ~ 127			(*1)			BULE H CENT OFFSET DATA OF AUTO REGI
23	SOGV	–128 ~ 127			(*1)			GREEN V SKEW OFFSET DATA OF AUTO REGI
24	SORV	–128 ~ 127			(*1)			RED V SKEW OFFSET DATA OF AUTO REGI
25	SOBV	–128 ~ 127			(*1)			BLUE V SKEW OFFSET DATA OF AUTO REGI
26	SOGH	–128 ~ 127			(*1)			GREEN H SKEW OFFSET DATA OF AUTO REGI
27	SORH	–128 ~ 127			(*1)			RED H SKEW OFFSET DATA OF AUTO REGI
28	SOBH	–128 ~ 127			(*1)			BLUE H SKEW OFFSET DATA OF AUTO REGI
29	ERR	FIXED			00			AUTO REGI ERROR CODE
30	ADTM	00 ~ 255			144			TIMING TO GET A/D DATA OF AUTO REGI
31 *2	VUP	01 ~ 255	03	03	01	01	01	AUTO REGI PATTERN UPPER V POSITION
32 *2	VMID	01 ~ 255	135	130	115	110	115	AUTO REGI PATTERN MIDDLE V POSITION
33 *2	VLOW	01 ~ 255	260	255	225	212	225	AUTO REGI PATTERN LOWER V POSITION
34 *2	HPR	01 ~ 510	03	03	01	01	03	AUTO REGI PATTERN H POSITION
35	SFTF	00,01			00			SHIFT ENABLE 00 : DISABLE 01 : ENABLE
36	SFTE	00,01			00			SHIFT FAST 00: NORMAL 01: QUICK
37	ACTL	00 ~ 255			00			LOWER BYTE OF COUNTER VALUE
38	ACTH	00 ~ 255			00			HIGHER BYTE OF COUNTER VALUE
	CENT	– 512 ∼ 511			000/000			GREEN H/V CENT (H CENT *3)
	SKEW	– 512 ∼ 511			000/000			GREEN H/V SKEW (H SKEW *3)
GRN	SIZE	–512 ∼ 511			000/200			GREEN H/V SIZE (H/V SIZE *3)
GKN	LIN	–512 ∼ 511			xxxx/xxxxx			GREEN H/V LIN
	KEY	– 512 ∼ 511			xxxx/xxxxx			GREEN H/V KEY
	PIN	–512 ∼ 511			xxxx/270			GREEN H/V PIN
	CENT	– 512 ∼ 511			000/000			BLUE H/V CENT
	SKEW	– 512 ∼ 511			000/000			BLUE H/V SKEW
BLU	SIZE	– 512 ∼ 511			000/-200			BLUE H/V SIZE
DLU	LIN	– 512 ∼ 511			-150/xxxx			BLUE H/V LIN
	KEY	– 512 ∼ 511			xxx/-70			BLUE H/V KEY
	PIN	– 512 ∼ 511			xxx/270			BLUE H/V PIN
	CENT	–512 ∼ 511			000/000			RED H/V CENT
	SKEW	– 512 ∼ 511			000/000			RED H/V SKEW
DED	SIZE	-512 ~ 511			000/-200			RED H/V SIZE
RED	LIN	– 512 ∼ 511			150/xxx			RED H/V LIN
	KEY	– 512 ∼ 511			xxxx/70			RED H/V KEY
	PIN	-512 ~ 511			xxxx/270			RED H/V PIN

*3 : It can be adjust Green a little.

xxxx : Cannot change.

VC: WIDE (V-Compressed) MODE

*1: Set correctly by the automatic registration adjustment.

*2: It can be adjust if automatic registration adjustment doesn't work.

	=	ltem		4	S	Standard Data	8	
Category	ě	Name	Function	Range	Соттоп	50 Hz (PAL)	60 Hz (NTSC)	Device Name
OPM	00	HSO	OSD H POSITION	00 ~ 3F	90F			CXP750096
	10	FW1	OSD ODD/EVEN FIELD WINDOW SETUP #1	00 ~ 3F	00			OPTION-MISC
	70	FW2	OSD ODD/EVEN FIELD WINDOW SETUP #2	00 ~ 3F	03			
	ន	어	OSD H POSITION OFFSET FOR INDEX	00 ~ 0F	07			
	8	111	INDEX SUB-SCREEN OSD 1st LINE VERTICAL POSITION	00 ~ 3F		77	20	
	92	<u>M</u>	INDEX SUB-SCREEN OSD VERTICAL OFFSET	00 ~ 3F		2B	20	
	90	COM	COMB OPERATION SELECTION	00 ~ 03	00			
	20	APC	APC SWITCH	00,01	9			
	80	TSY	TV SYSTEM SELECTION UNDER SEARCHING WITH AUTO TV SYSTEM	00 ~ 03	00			
	8	MUT	NO SIGNAL MUTE	00,01	8			
	Vо	AFM	AUTO FM SWITCH	00,01	10			
	B	TVO	V-ANGLE CORRECTION TO PICTURE ROTATION	00 ~ 07	03			
	၁၀	DBL	DISABLE BLUEBACK FUNCTION	00,01	10			
	ᇛ	oss	SPEED CH SEARCH SELECTION	00 ~ 03	10			
	30	TRP	MPEG/JPEG NOISE REDUCTION FOR EACH INPUT	00 ~ 3F	00			
	J 0	SCH	CH SELECTION FOR SHIPPING CONDITION	00 ~ 7F				
	10	SCA	CABLE/AIR SELECTION FOR SHIPPING CONDITION	00,01				
	1	DMG	DISABLE MENU-OPERATION GUIDE	00,01	00			
	12	VSN	ENABLE NOISE REDUCTION IN VIDEO MODE	00, 01	00			
OPB	00	0P1	OPTIONAL BITS 1 (SEE THE SPECIFIED SHEET)	00 ~ FF	E7			OPTION-BITS
	10	0P2	OPTIONAL BITS 2 (SEE THE SPECIFIED SHEET)	00 ~ FF	13			

6-3. Picture Quality Adjustment 6-3-1. Preparation

- 1. Set in the service mode.
- 2. Set respective items as follows.

Adjustment Condition

DRC-MF : DRC1250
PICTURE MODE : HI-FINE
TWIN MODE : ON
ECO MODE : OFF
WIDE MODE : OFF

Category	It	tem	Data
SAJ	00	PIC	3F
	06	DYC	00
	0E	CLO	06
	10	HUO	07
	13	PIO	00
JGL	04	BBT	00
	05	LML	03

Connect the oscilloscope probe to the following point on the E board.

Measurement Point

E Board CN4500:

① pin R100 \rightarrow VR

⑤ pin B100 → VB

Note: After the adjustment 6-3. Picture Quality Adjustment, these adjustment parameters must be recovered to the original condition.

Original Condition

DRC-MF : DRC1250
PICTURE MODE : HI-FINE
TWIN MODE : ON
ECO MODE : OFF
WIDE MODE : OFF

Catalana				Da	ıta						
Category	11	tem	50 TV	50 VIDEO	60 TV	60 VIDEO					
SAJ	00	PIC		1	F						
	06	DYC		0	0						
	0E	CLO	0C	0C	0C	0C					
	10	HUO	08	08	09	09					
	13	PIO		0	7						
JGL	04	BBT	03								
	05	LML	. 00								

6-3-2. NTSC Video Input

- 1. Enter the NTSC video color bar (White & color 75%) signal.
- 2. Enter the service mode, and set respective items as follows.
- 3. Measure waveform, and each item is adjusted to become the following figure.
- 4. Press " (SWAP)" button on the commander, when the left screen and the right screen are changed.
- 5. After adjustment finished, press " (MUTE)" + " (0" button to write the data to the NVM.

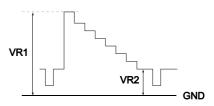
(i) SUB CONTRAST

Condition:

Category	I	tem	Data
SAJ	00	PIC	3F
	02	COL	00
	13	PIO	00
JGL	01	RGB	04

Adjusting Parameter:

LEFT screen : YCT 08 YOL RIGHT screen : SYC 08 YOL



 $VR1 - VR2 = 1.85 \pm 0.07 Vp-p$

(ii) SUB HUE/SUB COL

Condition:

Category	Item		Data
SAJ	02	COL	1F
	10	HUO	07
JGL	01	RGB	07

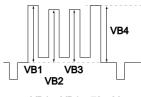
Adjusting Parameter:

LEFT screen : YCT 0A COL

00 TNT

RIGHT screen : SYC 0A COL

00 TNT



VB1 = VB4 ± 70 mV VB2 = VB3 ± 70 mV

6-3-3. NTSC RF Input

- 1. Enter the NTSC RF color bar (White & color 75%) signal.
- 2. Adjust with the same manner as 6-3-2. NTSC Video Input.

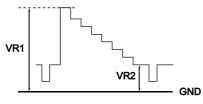
(i) SUB CONTRAST

Condition:

Category	Item		Data
SAJ	00	PIC	3F
	02	COL	00
JGL	01	RGB	04

Adjusting Parameter:

LEFT screen : YCT 04 SCT RIGHT screen : SYC 04 SCT



 $VR1 - VR2 = 1.85 \pm 0.07 Vp-p$

(ii) SUB HUE/SUB COL

Condition:

Category	Item		Data
SAJ	02	COL	1F
	10	HUO	07
JGL	01	RGB	07

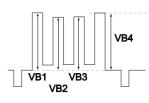
Adjusting Parameter:

LEFT screen : YCT 03 SCL

00 TNT

RIGHT screen : SYC 03 SCL

00 TNT



VB1 = VB4 ± 70 mV VB2 = VB3 ± 70 mV

6-3-4. PAL Video Input

- 1. Enter the PAL video color bar (White & color 75%) signal.
- 2. Adjust with the same manner as 6-3-2. NTSC Video Input.

(i) SUB CONTRAST

Condition:

Category	Item		Data
SAJ	00	PIC	3F
	02	COL	00
JGL	01	RGB	04

Adjusting Parameter:

LEFT screen : YCT 04 SCT RIGHT screen : SYC 00 SCT



 $VR1 - VR2 = 1.85 \pm 0.07 Vp-p$

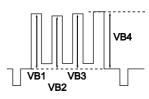
(ii) SUB HUE/SUB COL

Condition:

Category	Item		Data
SAJ	02	COL	1
JGL	01	RGB	07

Adjusting Parameter:

LEFT screen : YCT 03 SCL RIGHT screen : SYC 03 SCL



VB1 = VB3 = VB4 ± 70 mV VB2 = VB3 ± 70 mV

6-3-5. PAL RF Input

- 1. Enter the PAL RF color bar (White & color 75%) signal.
- 2. Adjust with the same manner as 6-3-2. NTSC Video Input.

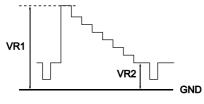
(i) SUB CONTRAST

Condition:

Category	Item		Data
SAJ	00	PIC	3F
	02	COL	00
JGL	01	RGB	04

Adjusting Parameter:

LEFT screen : YCT 04 SCT RIGHT screen : SYC 04 SCT



 $VR1 - VR2 = 1.85 \pm 0.07 Vp-p$

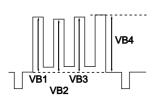
(ii) SUB HUE/SUB COL

Condition:

Category	Item		Data
SAJ	02	COL	1F
JGL	01	RGB	07

Adjusting Parameter:

LEFT screen : YCT 03 SCL RIGHT screen : SYC 03 SCL



VB1 = VB3 = VB4 ± 70 mV VB2 = VB3 ± 70 mV

6-4. Color Offset (53, 61 inch model only) 6-4-1. 50 Hz (PAL) TV Mode

- 1) Enter the PAL RF signal.
- Enter the service mode, and write the following data to the NVM.

Cotooom	Item		D	ata
Category			53 inch	61 inch
SAJ	0E	CLO	0A	0B

6-4-2. 50 Hz (PAL) Video Mode

- 1) Enter the PAL video signal.
- Enter the service mode, and write the following data to the NVM.

Catagoggi	Item		D)ata
Category			53 inch	61 inch
SAJ	0E	CLO	09	0A

6-4-3. 60 Hz (NTSC) TV Mode

- 1) Enter the NTSC RF signal.
- 2) Enter the service mode, and write the following data to the NVM.

Carrie	Item		D	ata
Category			53 inch	61 inch
SAJ	0E	CLO	0A	0B

6-4-4. 60 Hz (NTSC) Video Mode

- 1) Enter the NTSC video signal.
- Enter the service mode, and write the following data to the NVM.

	Item		D	ata
Category			53 inch	61 inch
SAJ	0E	CLO	0A	0B

6-5. REGISTRATION ADJUSTMENT

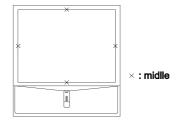
It is adjusted by REGISTRATION ADJUSTMENT respectively in the following 5 modes.

- DRC1250 (50 Hz) mode
- DRC100 (50 Hz) mode
- DRC1250 (60 Hz) mode
- DRC100 (60 Hz) mode
- DRC1250 (60 Hz) WIDE mode

6-5-1. Setup for Adjustment

1. Marking

 At the 4 insides of the screen, locate the middle. Use a tape measure to identify the middle.



2. Data Setting

- 1) Set in the DRC1250 (50 Hz) mode.
- 2) Set in the Service mode, and select the category "PJE".
- Press "(?)" + "(0)" button on the commander to read the data from NVM. Then all the default data are restored.
- 4) Change it to other 4 modes, and set the data with the respectively same process.

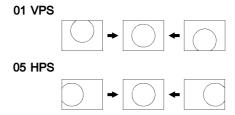
Note: When you replaced printed circuit boards or devices or CRTs, and when correction is drastically necessary, press "⑤" +"①" (PJE INITIAL) button to initialize the data in the PJE mode.

Press " (MUTE)" + " (0)" buttons on the commander to write the data.

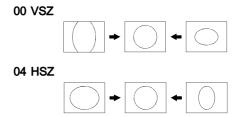
: Be sure to set up the data in the PJE mode. All data initialize it when this operation is done by other categories.

6-5-2. Method of Main Deflection Adjustment

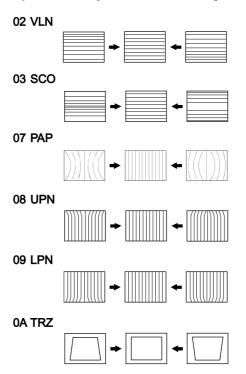
- Place the caps on the red and blue lenses so that only the green color is displayed.
- 2. Enter the signal.
- 3. Set in the Service mode, and select the category "GEO".
- 4. Adjust "01 VPS" and "05 HPS" so that the picture is displayed in the center of screen.



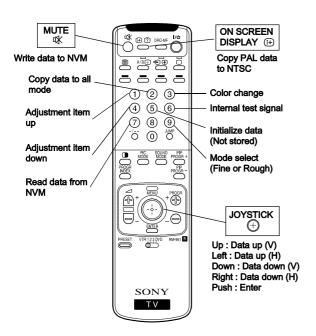
Adjust "00 VSZ" and "04 HSZ" so that the picture size is within the specification.



6. Adjust the following items so as to attain the optimum picture.



6-5-3. Operation Method for Projector Engine (PJE) Mode



RM-961

1. Functions of Keys on Commander

- ① : Changes adjustment item. (item No. moves up)
 - : Marker moves clockwise from center to outside. (in fine adjustment mode)
- 4 : Changes adjustment item. (item No. moves down)
 - : Marker moves counterclockwise from outside to center. (in fine adjustment mode)
- Changes data value.

(up, down, or to the left or right)

(move) : Marker moves up, down, or to the left or right.
(in fine adjustment mode)

- 3 : Changes adjustment color.
 - (except item No. 00~38) GRN \rightarrow BLU \rightarrow RED
- 6 : Displays or changes internal test signals.
 - : crosshatch + external signal → dot + external signal → crosshatch only → dot only → off
- 9 : Switches adjustment mode.

rough adjustment mode → fine adjustment

• 🕙 : Switches marker moving method.

(push) (in fine adjustment mode)

Commander Function (PJE mode)

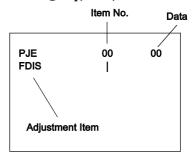
Button	Mode	Description
₩+@	WRITE	Writes data to NVM.
7+0	READ	Reads data from NVM.
5 + 0	*PJE	Service data initialization. Not stored.
	INITIAL	(Be sure not to use usually)
2+0	*PJE	Copies and writes data of DRC1250
	COPY	(50Hz) mode to all other modes.
(+ + 0	*PJE	Copies data of 50 Hz (PAL) mode to
	WRT5060	60 Hz (NTSC) mode.

^{*:} only data in the PJE mode.

joystick key → ① and ④ buttons

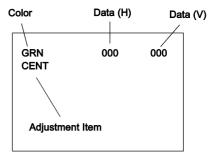
2. Operation Method for Rough Adjustment

- 1) Set in the Service mode, and select the category "PJE".
- 2) Press "1" or "4" button on the commander to select the item, and move "5" up, down, or to the left or right to



change the data.

- 3) Select item "GRN CENT". When BLU or RED is displayed, press "③" button on the commander to change the adjustment color in the order of GRN → BLU → RED.
- 4) In the GRN, BLU, or RED mode, move "" up or down to change the data in vertical direction, or move "" to the

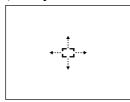


left or right to change the data in horizontal direction.

5) When it moves from PJE to other categories, repeat "(1)" or "(4)" button and press it.

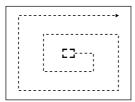
3. Operation Method for Fine Adjustment (in GRN, BLU, or RED Mode)

- 1) Set in the Service mode, and select the category "PJE".
- Select item "FDIS" so that the data at each position can be displayed in the fine adjustment mode, and set the data to "01".
- 3) Press "9" button on the commander, and the fine adjustment mode will be active where a green marker appears in the center of screen (in the case of GRN mode).
- 4) Push "(ENTER)" button, and the marker color will be switched between green (GRN mode) and white alternately.
- 5) Use "1" or "4" button on the commander, or the joystick to move the marker to the position to be adjusted, where fine adjustment can be made.
- When marker color is white. (in this case, fine adjustment is disabled)



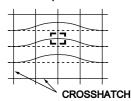
Operating the joystick can move the marker up, down, or to the left or right freely.

• When marker color is green. (GRN mode)

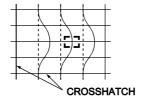


- ①: moves the marker clockwise from center to outside.
- 4 : moves the marker counterclockwise from outside to center.
- Fine adjustment can be made on the basis of marker position using joystick key.

Movement when joystick key is moved up.



Movement when joystic key is moved to the right.



6) Press "9" button on the commander to return to the rough adjustment mode.

6-5-4. Method of Projector Engine Adjustment (Sub Deflection Adjustment)

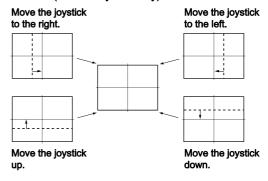
Adjustment

○:Yes -: No

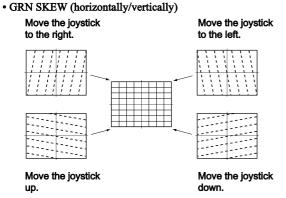
	Adjustment Type		
Adjustment Item	GRN	RED	BLU
	H/V	H/V	H/V
CENT	0/0	0/0	0/0
SKEW	010	010	010
SIZE	010	010	010
LIN	-/-	01-	0/-
KEY	-/-	-10	-10
PIN	-10	-10	-10

1. Green Adjustment

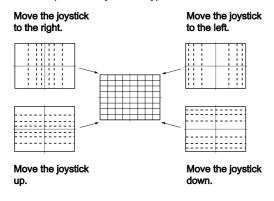
- 1) Place the caps on the red and blue lenses so that only the green color is displayed.
- 2) Enter the signal.
- 3) Set in the Service mode, and select the category "PJE".
- 4) Press "6" button on the commander to display internal test signal (crosshatch).
- 5) Select "GRN CENT", and adjust so that the picture coincide in the center of screen.
- GRN CENT (horizontally/vertically)



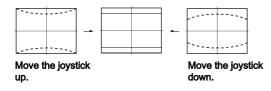
Select "GRN SKEW", and correct the tilt of horizontal lines and vertical lines.



- 7) Select "GRN SIZE", and adjust so that each distance from center to left end and to right end is equal. Adjust so that each distance from center to top and to bottom is equal.
- GRN SIZE (horizontally/vertically)



- Select "GRN PIN", and adjust so that upper and lower horizontal lines on the screen become straight.
- GRN PIN (vertically)

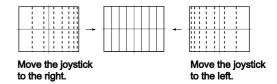


- Press "9" button on the commander to enter the fine adjustment mode.
- 10) Make fine adjustment so that horizontal lines and vertical lines become straight.
- 11) Press "9" button on the commander to return to the rough adjustment mode.

2. Blue Adjustment

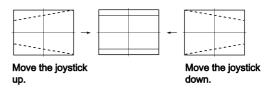
- Place a cap on the red lens so that green and blue colors are displayed.
- 2) Press "3" button on the commander to select BLU mode.
- Adjust the following items so that blue lines overlap with green lines.
- BLU CENT (horizontally/vertically)
- BLU SKEW (horizontally/vertically)
- BLU SIZE (horizontally/vertically)
- BLU LIN (horizontally)

Adjust so that each space at the right end and at the left end of screen is equal.



• BLU KEY (vertically)

Adjust so that upper and lower horizontal lines on the screen become parallel.



- BLU PIN (vertically)
- Press "9" button on the commander to enter the fine adjustment mode.
- 5) Make fine adjustment so that horizontal lines and vertical lines overlap with green lines.
- 6) Press "9" button on the commander to return to the rough adjustment mode.

3. Red Adjustment

- Place a cap on the blue lens so that green and red colors are displayed.
- 2) Press "3" button on the commander to select RED mode.
- Hereinafter, use same manner as that of blue adjustment to adjust so that the red lines overlap with green lines.

6-5-5. Deflection Adjustment

1. DRC1250 50 Hz (PAL) Mode

- 1) Enter the PAL SPCB signal, and set the DRC1250.
- Set in the service mode, and write the following data to NVM.

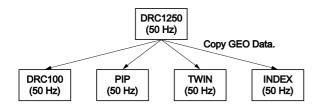
Condition:

Category	Item		Data
GEO	0B	AGL	07
	0C	BOW	07
	15	VSC	1F
MID	00	HPH	3E
	01	VPH	15

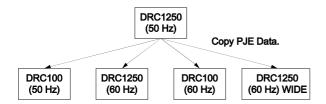
3) Adjust the main deflection. (Refer to 6-5-2.)

SPEC	Overscan Spec. = 7.5%		
Input Signal	H SIZE	V SIZE	
PAL SPCB	16.6 ± 0.1 sq.	12.5 ± 0.1 sq.	

- 4) After the Main Deflection Adjustment finished, press " (MUTE)"+" (0)" buttons on the commander to write the data to the NVM.
- 5) Select the category "GEO" and the item "19 CPY", and set the data to "01".



- Adjust the sub deflection (Projector Engine Adjustment). (Refer to 6-5-3.)
- 7) After the Projector Engine Adjustment finished, press " (MUTE)"+" (0)" buttons on the commander to write the data to the NVM.
- Press "2"+"0" buttons to copy PJE data to all other modes in the PJE mode.



2. DRC100 50 Hz (PAL) Mode

- 1) Enter the PAL SPCB signal, and set the DRC100.
- Set in the service mode, and write the following data to NVM.

Condition:

Category	Item		Data
GEO	0B	AGL	07
	0C	BOW	07
	15	VSC	1F
MID	00	HPH	3E
	01	VPH	0C

3) Adjust the main deflection. (Refer to 6-5-2.)

SPEC	0	verscan Spec. = 7.5%
Input Signal	H SIZE	V SIZE
PAL SPCB	16.6 ± 0.1 sq.	12.5 ± 0.1 sq.

- 4) After the Main Deflection Adjustment finished, press " (MUTE)"+" (0)" buttons on the commander to write the data to the NVM.
- Adjust the sub deflection (Projector Engine Adjustment).
 (Refer to 6-5-3.)
- 6) After the Projector Engine Adjustment finished, press "
 (MUTE)"+"
 ①" buttons on the commander to write the data to the NVM.

3. PIP 50 Hz (PAL) Mode

- 1) Enter the PAL SPCB signal, and set in the service mode.
- 2) Open the remote control cover, press " (PIP)" button on the commander to set the PIP mode.
- 3) Confirm and set the following data.

Condition:

KIIIOII .					
Category	It	em	Data		
GEO	00	VSZ			
	01	VPS			
	02	VLN			
	03	SCO			
	04	HSZ	Same as DRC1250		
	05	HPS	50 Hz (PAL)		
	07	PAP	mode		
	08	UPN			
	09	LPN			
	0A	TRZ			
	0B	AGL	07		
	0C	BOW	07		
	15	VSC	1F		
MID	00	HPH	3E		
	01	VPH	15		

4) Press " (MUTE)"+" 0" buttons on the commander to write the data to the NVM.

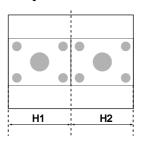
4. TWIN 50 Hz (PAL) Mode

- 1) Enter the PAL SPCB signal, and set in the service mode.
- 2) Press "I (TWIN)" button on the commander to set the TWIN mode.
- 3) Confirm and set the following data.

Condition:

Category	It	em	Data
GEO	00	VSZ	
	01	VPS	
	02	VLN	
	03	SCO	
	04	HSZ	Same as
	05	HPS	DRC1250 50 Hz (PAL)
	07	PAP	mode
	08	UPN	
	09	LPN	
	0A	TRZ	
	0B	AGL	07
	0C	BOW	07
	15	VSC	1F
MID	00	HPH	7B
	01	VPH	20
	11	TMP	01
	12	TSP	00

4) Select the category "GEO" and the item "05 HPS", and adjust the horizontal position.



 $H1 - H2 = \pm 0.1 \text{ sq.}$

5) Press " (MUTE)"+" buttons on the commander to write the data to the NVM.

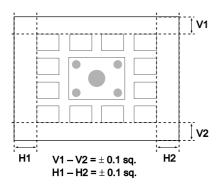
5. INDEX 50 Hz (PAL) Mode

- 1) Enter the PAL SPCB signal, and set in the service mode.
- Press "PROGR INDEX" button on the commander to set the INDEX mode.
- 3) Confirm and set the following data.

Condition:

Category	It	em	Data
GEO	00	VSZ	
	01	VPS	
	02	VLN	
	03	SCO	
	04	HSZ	Same as
	05	HPS	DRC1250 50 Hz (PAL)
	07	PAP	mode
	08	UPN	
	09	LPN	
	0A	TRZ	
	0B	AGL	07
	0C	BOW	07
	15	VSC	1F
MID	00	HPH	78
	01	VPH	1A

4) Select the category "GEO" and the item "05 HPS" to adjust the horizontal position, and select the item "01 VPS" to adjust the vertical position.



5) Press " (MUTE)"+" 0" buttons on the commander to write the data to the NVM.

6. DRC1250 60 Hz (NTSC) Mode

- 1) Enter the NTSC monoscope signal, and set the DRC1250.
- Set in the service mode, and write the following data to NVM.

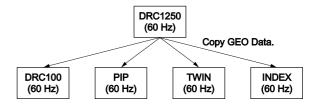
Condition:

Category	Item		Data
GEO	0B	AGL	07
	0C	BOW	07
	15	VSC	22
MID	00	HPH	49
	01	VPH	25

3) Adjust the main deflection. (Refer to 6-5-2.)

SPEC Overscan Spec. = 7		
Input Signal	H SIZE	V SIZE
NTSC monoscope	15.7 ± 0.1 sq.	11.8 ± 0.1 sq.

- 4) After the Main Deflection Adjustment finished, press " (MUTE)"+" (0)" buttons on the commander to write the data to the NVM.
- 5) Select the category "GEO" and the item "19 CPY", and set the data to "01".



- Adjust the sub deflection (Projector Engine Adjustment). (Refer to 6-5-3.)
- 7) After the Projector Engine Adjustment finished, press "
 (MUTE)"+"①" buttons on the commander to write the data to the NVM.

7. DRC100 60 Hz (NTSC) Mode

- 1) Enter the NTSC monoscope signal, and set the DRC100.
- Set in the service mode, and write the following data to NVM.

Condition:

Category	Item		Data
GEO	0B	AGL	07
	0C	BOW	07
	15	VSC	22
MID	00	HPH	49
	01	VPH	13

3) Adjust the main deflection. (Refer to 6-5-2.)

SPEC

Overscan Spec. = 7.5%

Input Signal	H SIZE	V SIZE
NTSC monoscope	15.7 ± 0.1 sq.	11.8 ± 0.1 sq.

- 4) After the Main Deflection Adjustment finished, press " (MUTE)"+" (0)" buttons on the commander to write the data to the NVM.
- 5) Adjust the sub deflection (Projector Engine Adjustment). (Refer to 6-5-3.)
- 6) After the Projector Engine Adjustment finished, press " (MUTE)"+" (0)" buttons on the commander to write the data to the NVM.

8. PIP 60 Hz (NTSC) Mode

- Enter the NTSC monoscope signal, and set in the service mode.
- 2) Open the remote control cover, press " (PIP)" button on the commander to set the PIP mode.
- 3) Confirm and set the following data.

Condition:

шшин .			
Category	Item		Data
GEO	00	VSZ	
	01	VPS	
	02	VLN	
	03	SCO	
	04	HSZ	Same as
	05	HPS	DRC1250 60 Hz (NTSC)
	07	PAP	mode
	08	UPN	
	09	LPN	
	0A	TRZ	
	0B	AGL	07
	0C	BOW	07
	15	VSC	22
MID	00	HPH	49
	01	VPH	25

4) Press " (MUTE)"+" buttons on the commander to write the data to the NVM.

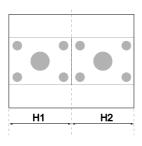
9. TWIN 60 Hz (NTSC) Mode

- Enter the NTSC monoscope signal, and set in the service mode.
- Press " (TWIN)" button on the commander to set the TWIN mode.
- 3) Confirm and set the following data.

Condition:

Category	Item		Data
GEO	00	VSZ	
	01	VPS	
	02	VLN	
	03	SCO	
	04	HSZ	Same as DRC1250
	05	HPS	60 Hz (NTSC)
	07	PAP	mode
	08	UPN	
	09	LPN	
	0A	TRZ	
	0B	AGL	07
	0C	BOW	07
	15	VSC	22
MID	00	HPH	6F
	01	VPH	2E
	11	TMP	01
	12	TSP	00

4) Select the category "GEO" and the item "05 HPS", and adjust the horizontal position.



 $H1 - H2 = \pm 0.1 \text{ sq.}$

5) Press " (MUTE)"+" buttons on the commander to write the data to the NVM.

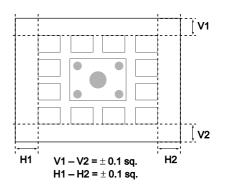
10.INDEX 60 Hz (NTSC) Mode

- Enter the NTSC monoscope signal, and set in the service mode.
- Press "PROGR INDEX" button on the commander to set the INDEX mode.
- 3) Confirm and set the following data.

Condition:

· •
0 VTSC)
1150)

4) Select the category "GEO" and the item "05 HPS" to adjust the horizontal position, and select the item "01 VPS" to adjust the vertical position.



5) Press " (MUTE)"+" buttons on the commander to write the data to the NVM.

11.DRC1250 WIDE 60 Hz (NTSC) Mode

- 1) Enter the NTSC monoscope signal and set the DRC1250.
- Press "MENU" button on the commander and move "⊕" up or down to enter the "FEATURE" → "WIDE MODE".
- 3) Select "WIDE MODE: ON", and push " (ENTER)" button
- 4) Press "MENU" button to return to service mode screen.
- Set in the service mode and write the following data to NVM.

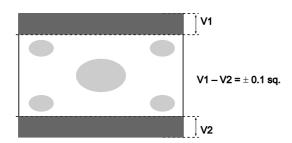
Condition:

Category	Item		Data
GEO	0B	AGL	07
	0C	BOW	07
	14	VAS	2C
	15	VSC	22
	16	USC	01
	17	VBW	03

3) Adjust the main deflection. (Refer to 6-5-2.)

SPEC

Input Signal	H SIZE	
NTSC monoscope	15.7 ± 0.1 sq.	



- 4) After the Main Deflection Adjustment finished, press " (MUTE)"+" (0" buttons on the commander to write the data to the NVM.
- 5) Adjust the sub deflection (Projector Engine Adjustment). (Refer to 6-5-3.)
- 6) After the Projector Engine Adjustment finished, press " (MUTE)"+" (0)" buttons on the commander to write the data to the NVM.

12.PIP WIDE 60 Hz (NTSC) Mode

- Enter the NTSC monoscope signal and set in the service mode.
- 2) Set the WIDE mode and open the remote control cover, press" (PIP)" button on the commander to set the PIP mode.
- 3) Confirm and write the following data.

Condition:

Category	Item		Data
GEO	00	VSZ	
	01	VPS	
	02	VLN	
	03	SCO	Same as
	04	HSZ	DRC1250 WIDE 60 Hz
	05	HPS	(NTSC) mode
	07	PAP	
	08	UPN	
	09	LPN	
	0A	TRZ	
	0B	AGL	07
	0C	BOW	07
	14	VAS	2C
	15	VSC	22
	17	VBW	03

4) Press " (MUTE)"+" buttons on the commander to write the data to the NVM.

Note: Incase of replacing CRTs, adjust the set-up adjustments (items 4-1 to 4-7) and the registration adjustment (item 6-5).

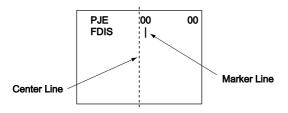
In case of replacing two or three CRTs at the same time, replace and adjust one by one.

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

6-6. AUTO CONVERGENCE SETTING

This adjustment must be performed after the registration adjustment was made or after readjustment was made by any reason.

- 1. Darken the periphery of this set.
- 2. Enter the PAL SPCB signal, and set the DRC100 mode.
- 3. Set in the service mode, and select the category "PJE" and the item "PWM2".
- Adjust "PWM2" so that the marker line is on monoscope center line.



- 5. Press "௸ (MUTE)"+"⑨" buttons on the commander to write the data to the NVM.
- 6. Press "(AUTO CONVERGENCE)" button on the front panel of the set.

(The offset value is now automatically stored.)

- Check that no error message appears.
 If an error message appears, recheck. (Refer to 6-8.)
- 8. In the same manner, select DRC100 mode respectively, and press the "(AUTO CONVERGENCE)" button.
- Enter the NTSC monoscope signal, and perform the same steps in the DRC1250, DRC100 and DRC1250 WIDE modes respectively.

6-7. WHITE BALANCE ADJUSTMENT

- 1. Enter the monoscope signal.
- 2. Set in the service mode.
- Press "MENU" button on the commander to select "A/V CONTROL" → "PICTURE MODE" → "ADJUST".

Adjustment Condition

PICTURE MODE: PERSONAL

PICTURE : 0% BRIGHT : 50%

If the noise of DCF (Digital Comb Filter) has an effecting white balance adjustment, change service data as follows while the adjustment.

OPM 06 COM : 00 → 01

(This time, beginning inspection also should be done under some condition.)

Adjusting Parameter

Category	Item	
WHB	02	SBR
	03	RDR
	05	BDR
	06	RCT
	08	BCT

- 4. Adjust "02 SBR" so that 10 IRE section barely grows.
- 3. Enter the all-white pattern signal.
- Adjust "06 RCT" and "08 BCT" so as to attain the optimum white balance
- 7. Adjust "02 SBR" so that 100 IRE section barely grows.
- 8. Adjust "03 RDR" and "05 BDR" so as to attain the optimum white balance.
- Repeatedly adjust the white balance for the minimum and maximum picture setting.
- 10. Enter the monoscope signal, and select "SAJ 00 PIC", and set the data to "00".
- Adjust "02 SBR" so that the border between 0 IRE and 10 IRE becomes distinct.

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

6-8. AUTO CONVERGENCE ERROR CODE LIST

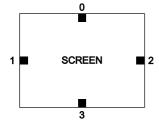
If an error code is displayed after the set has been fully adjusted, correctly, plese check the following items: position, tilt and sizing. If either of these adjustments are off, even slightli, the auto registration pattern will not hit the four sensors properly. This occurs when the internal generator patterns is being flashed on the screen for the sensor to read. Therefore, auto registration (called auto convergence) cannot operate properly causing an error code to be displayed. In order for this function to operate properly, correct position, tilt and size must be adjusted properly.

ERROR CODE LIST

ERROR CODE	DESCRIPTION	NOTE	
00	No Error		
10	Sensor Input Level Low	* Check wiring, beam position, sensor.	0 : Upper Center
			1 : Middle Left
			2 : Middle Right
			3 : Lower Center
20	Sensor Input Level High	* Check OP-Amp circuit.	0 : Upper Center
			1 : Middle Left
			2 : Middle Right
			3 : Lower Center
30	Loop Limit Over	* Check the registration information on t	he convergence board.
40	Regi Data Overflow	* Check the convergence vake driver IC	•
50	Regi Data Overdraw	* Check the convergence yoke driver ICs.	
60	Offset Data Overflow	* Convergence netterns displayed are s	ut of normal range
70	Offset Data Overdraw	* Convergence patterns displayed are out of normal range.	

^{*:} In case of multiple error, last error is displayed.

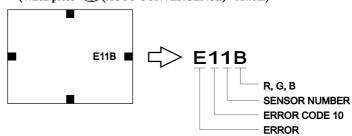
[SENSOR POSITION]



0 : UPPER SENSOR 1 : LEFT SENSOR 2 : RIGHT SENSOR 3 : LOWER SENSOR

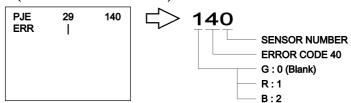
• ERROR CODE SCREEN DISPLAY

(When press " (AUTO CONVERGENCE)" button.)

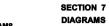


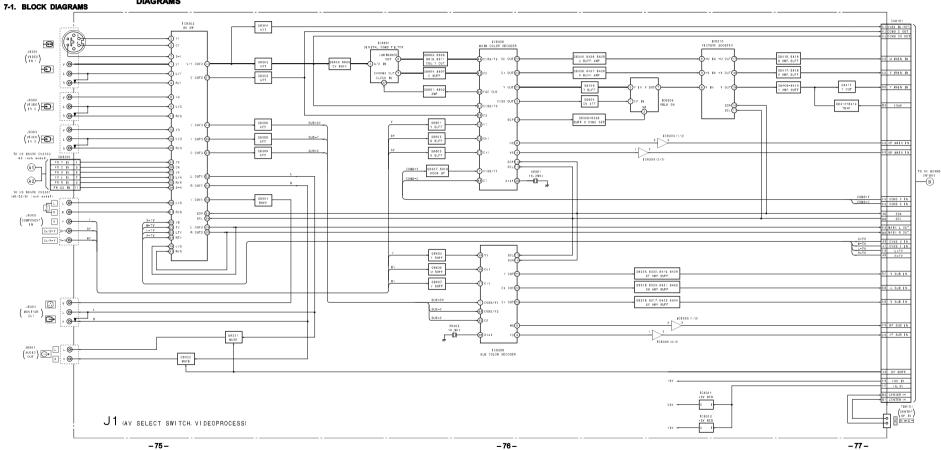
• ERROR CODE SCREEN DISPLAY

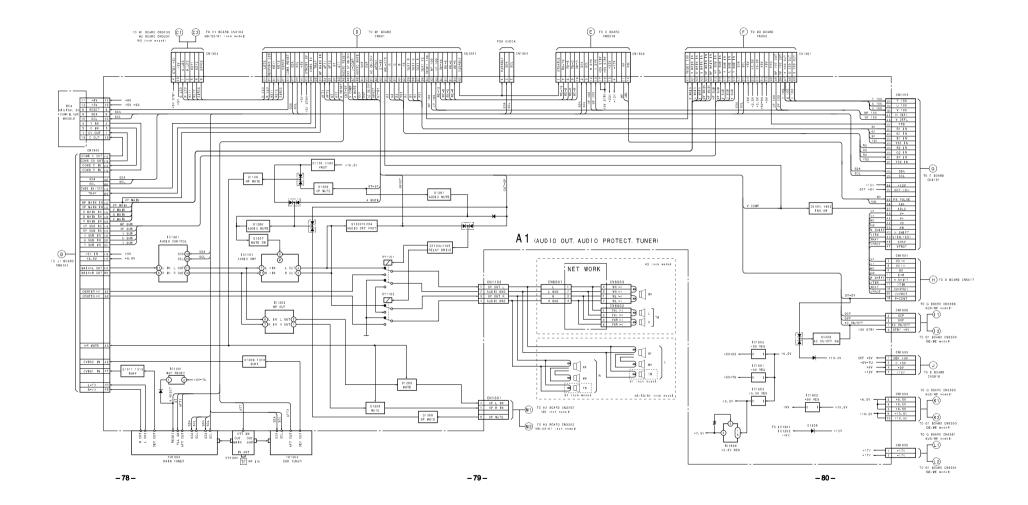
(When select "PJE" → "29 ERR".)

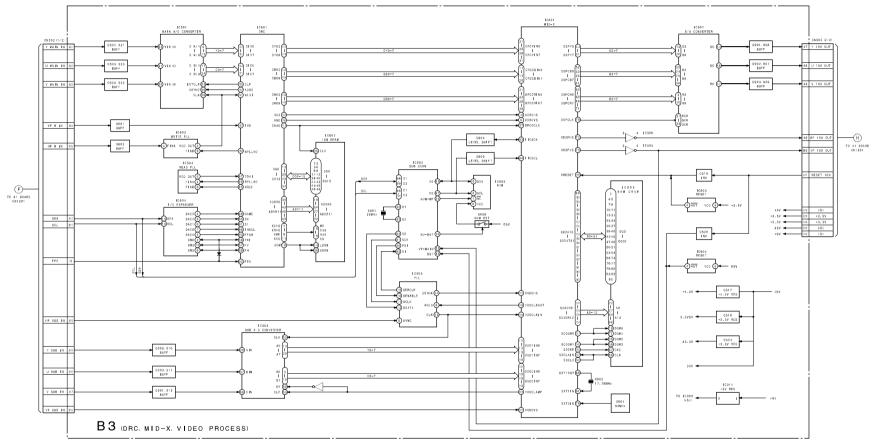


Category : PJE Item : 29 ERR

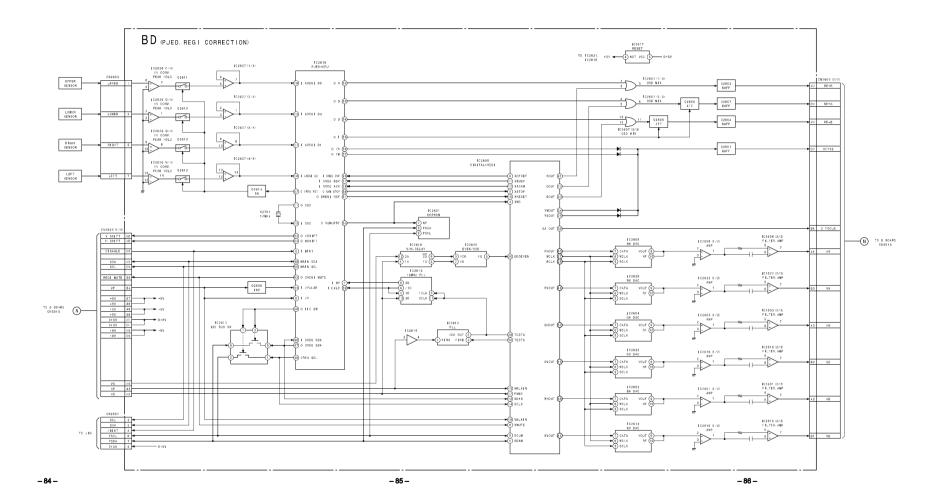


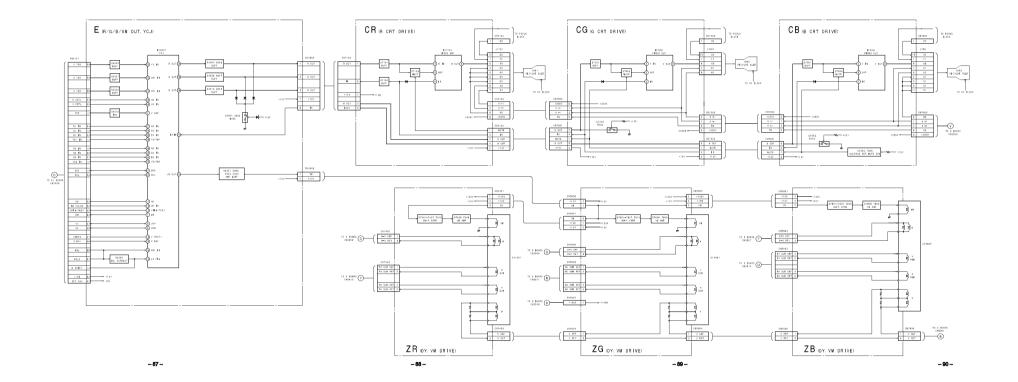


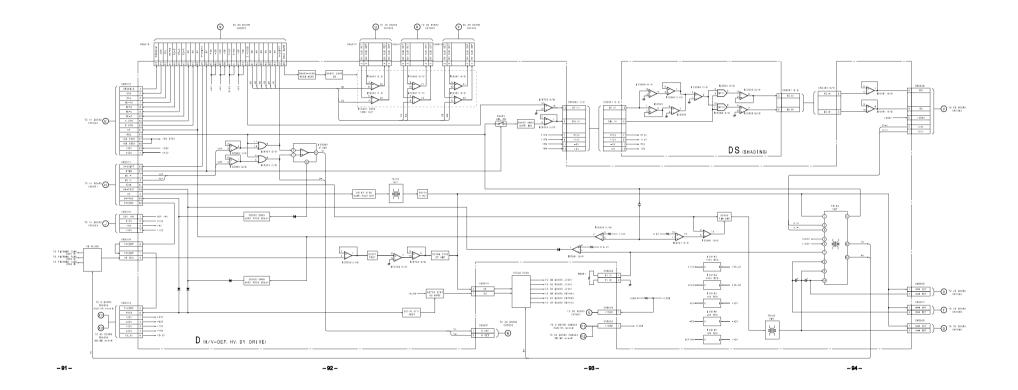


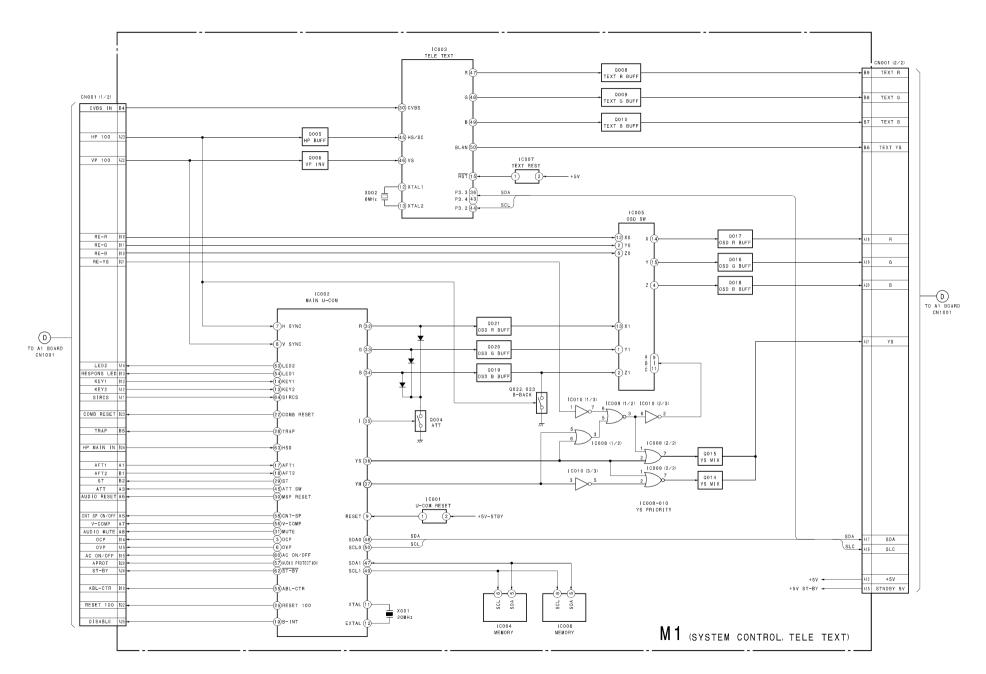


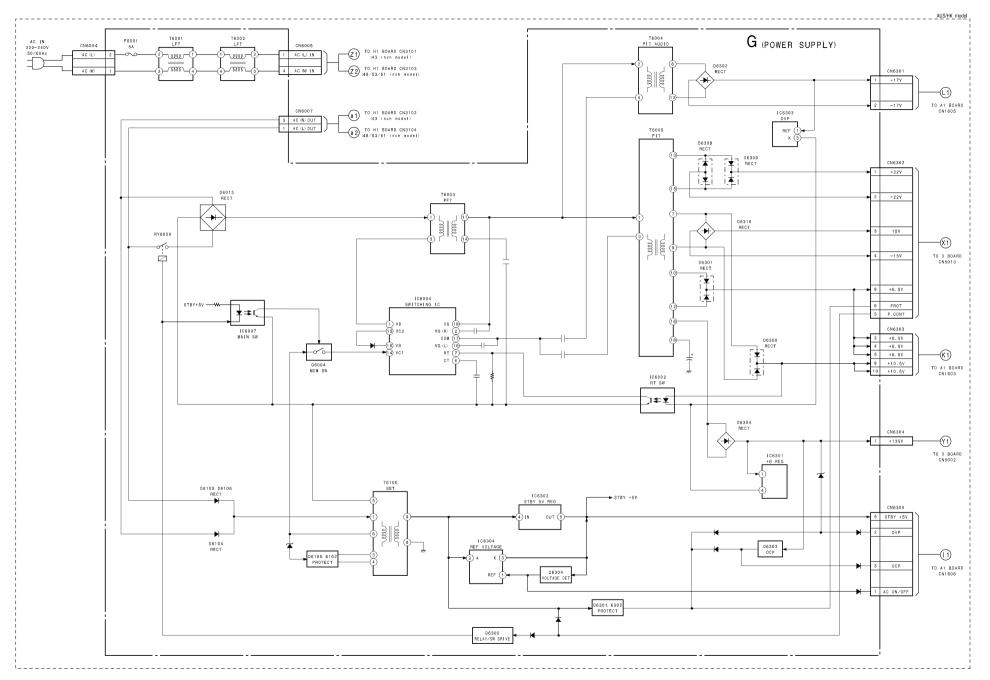
-81- -82- -83-

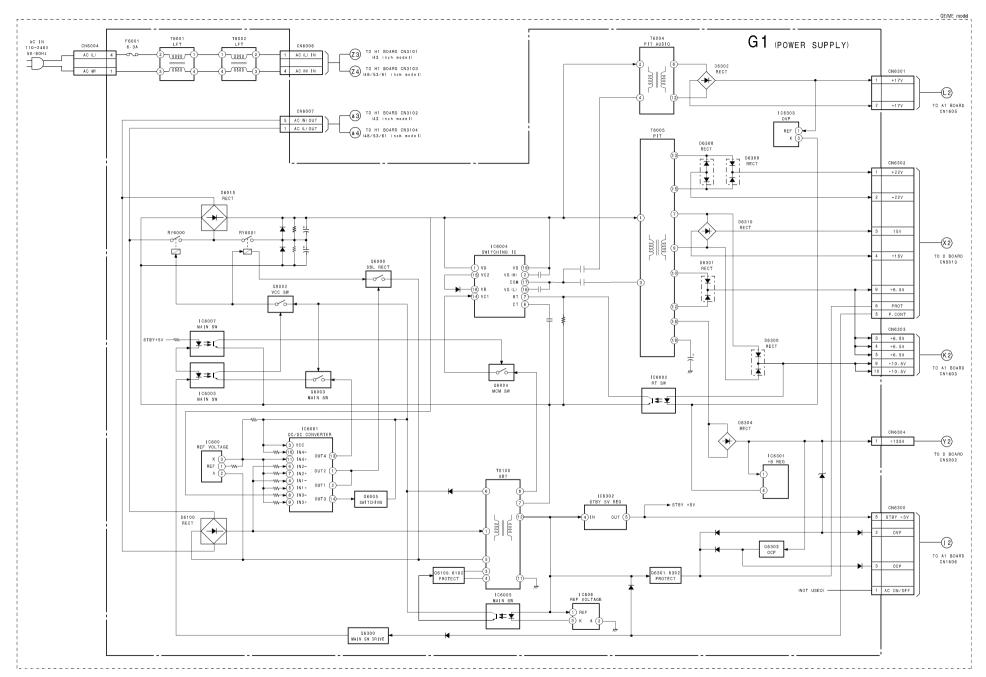


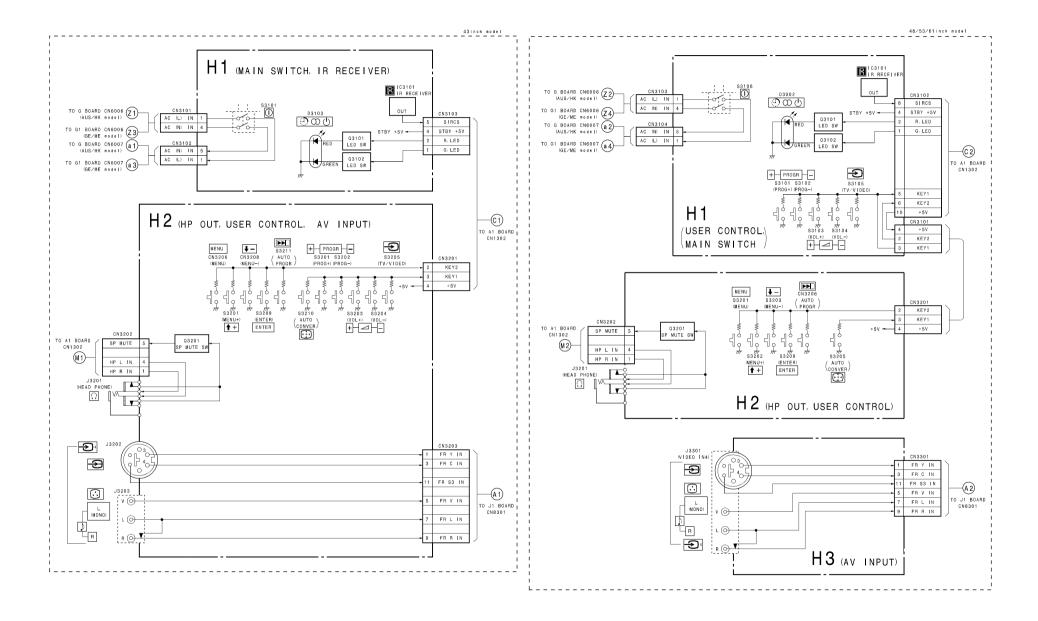


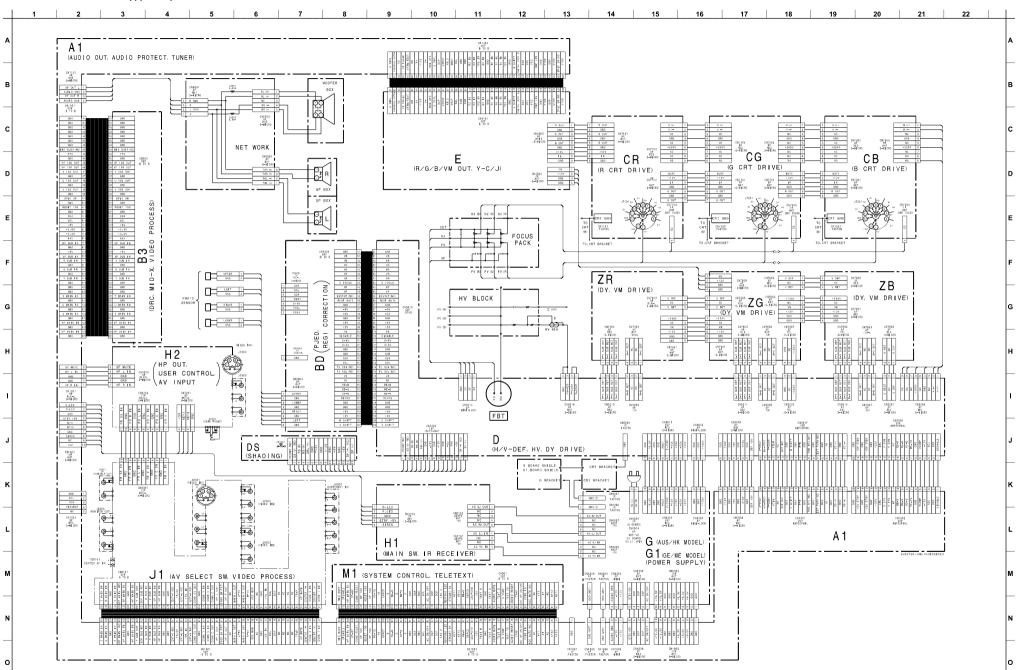


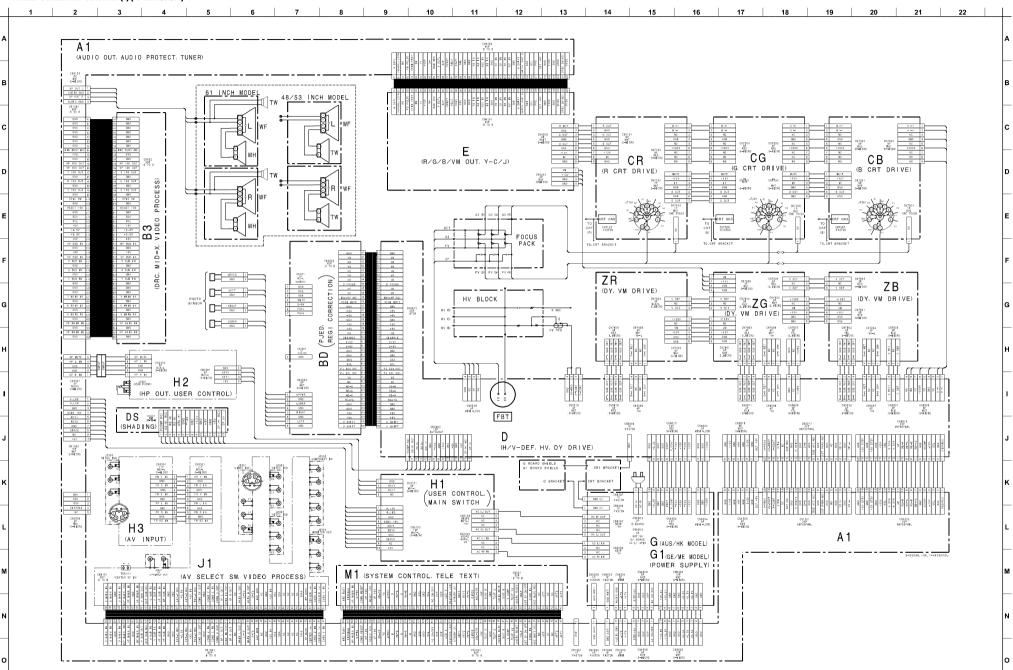


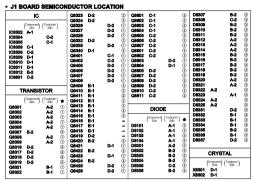




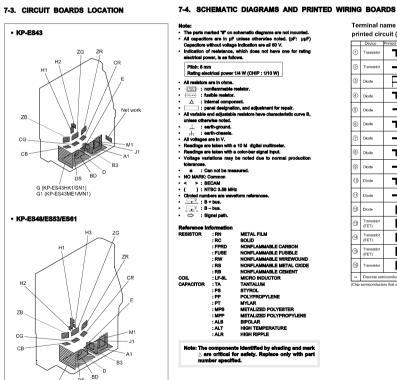






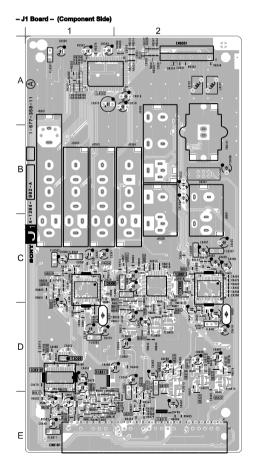


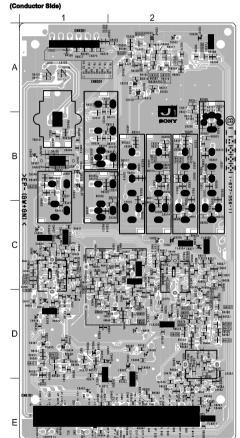
*: Refer to Terminal name of semiconductors in slik screen printed circuit (see page 110)



	Device	Printed symbol	Terminal name	Circuit
D	Transistor	Т	Gollector Base Emitter	5 5
(8)	Transistor	_	Collector Base Emitter	مها مها
3)	Diode	H	Cathode	*
Ð	Diode	Т	Cathode Anode (NC)	÷
9)	Diode	_	Cathode Anode (NC)	.₫.
6)	Diode	Т	Common Anode Cathode	Ŷ
Ð	Diode	_	Common Anode Cathode	l <mark>⊳₁⊳ı</mark> º
0	Diode	Т	Common Anode Anode	. 9 .
9)	Diode	_	Common Anode Anode	լ ւ <mark>թւ . ա</mark> մ
0	Diode	Т	Common Cathode Cathode	ia Î si
9	Diode	_	Common Cathode Cathode	List. bull
0	Diode	I	Anode Cathode Anode Cathode Anode	
3	Transistor (FET)	ı	Drain Source Gate	
(a)	Transistor (FET)	-	Drain Source Gate	الأور الأور
0	Transistor (FET)		□ Source □ Drain □ Gete	
6	Transistor		□ Emitter □ Collector □ Base	ریکی ریکی

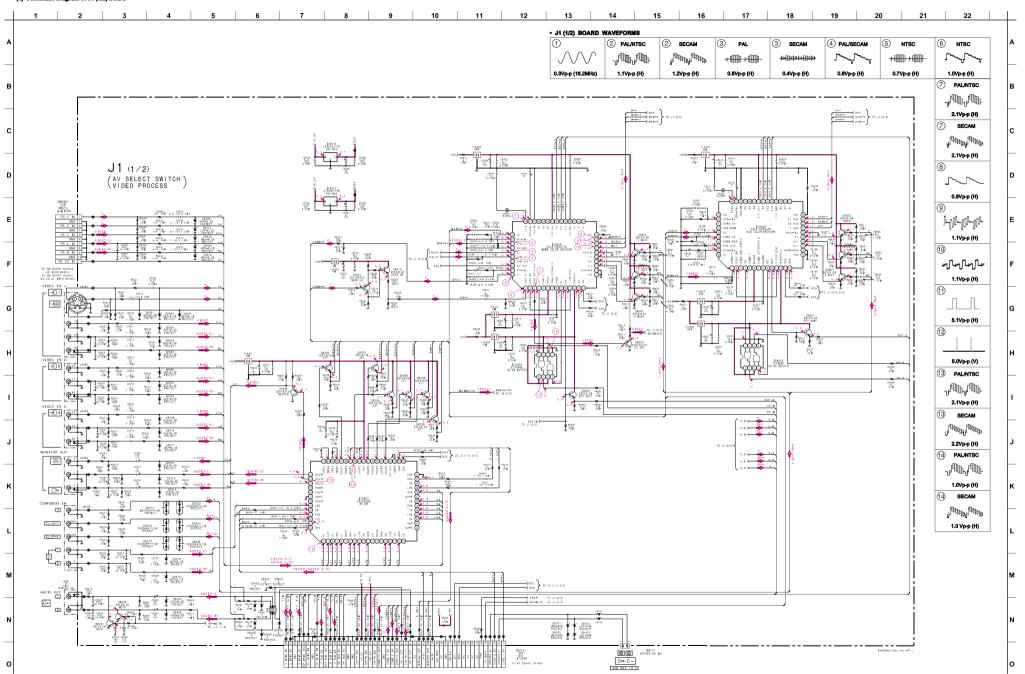
Terminal name of semiconductors in silk screen



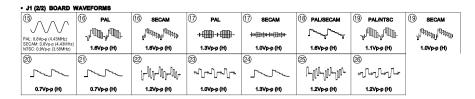


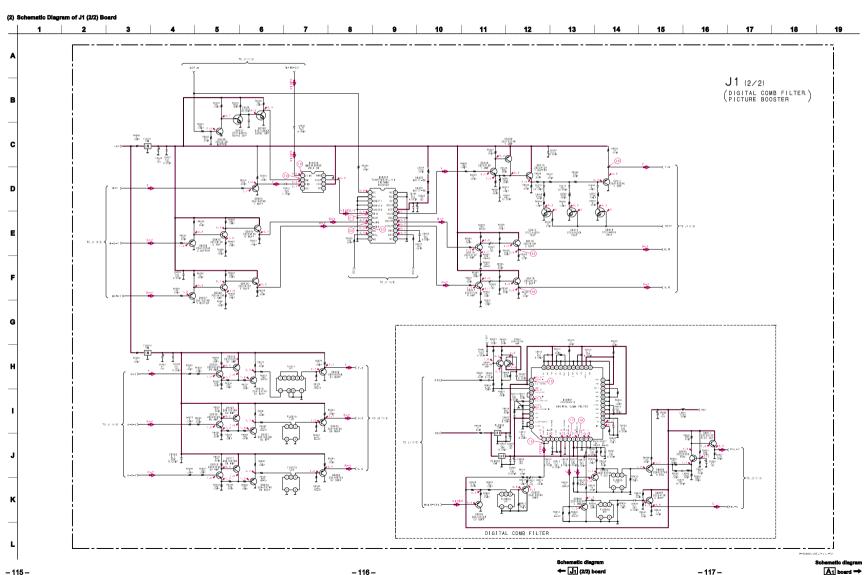
J₁ (1/2) board →

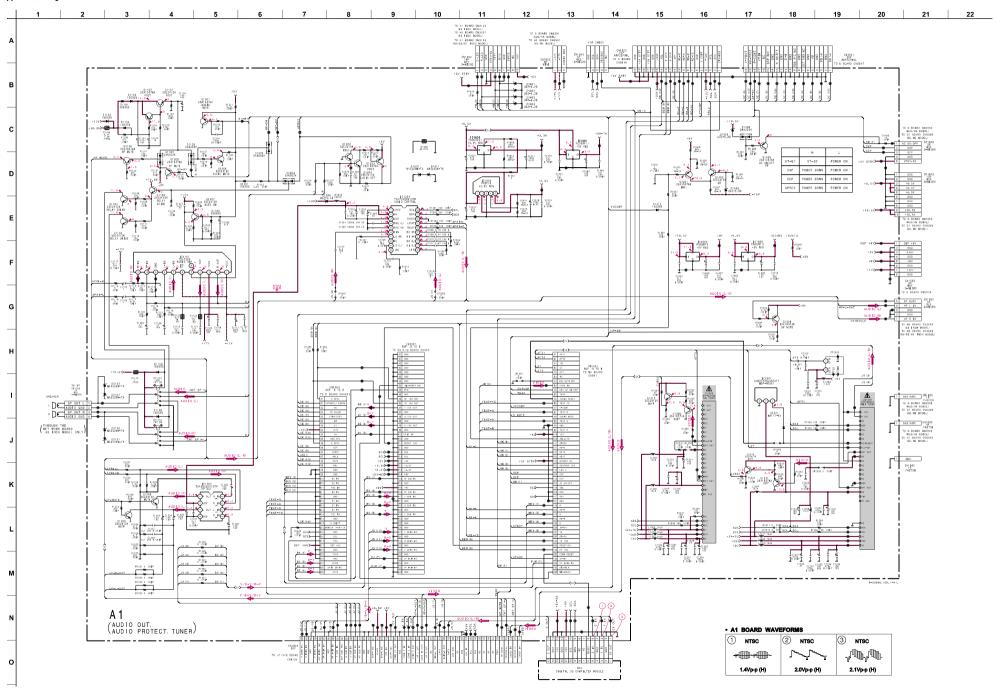
G (KP-ES48HK1/SN1_ES53HK1/SN1_ES61HK1/SN1) G1 (KP-ES48ME1/MN1, ES53ME1/MN1, ES61ME1/MN1)

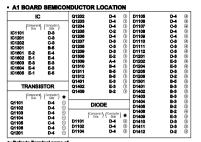


- 112 -



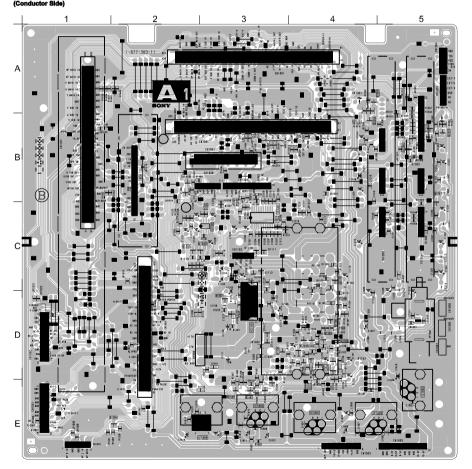


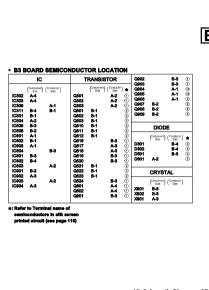




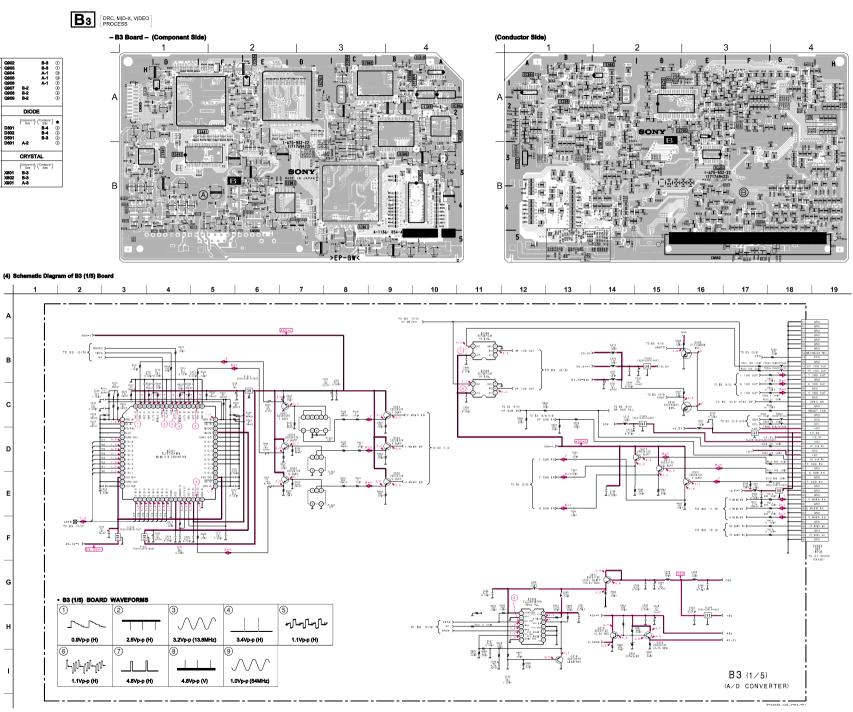
semiconductors in slik screen printed circuit (see page 110)

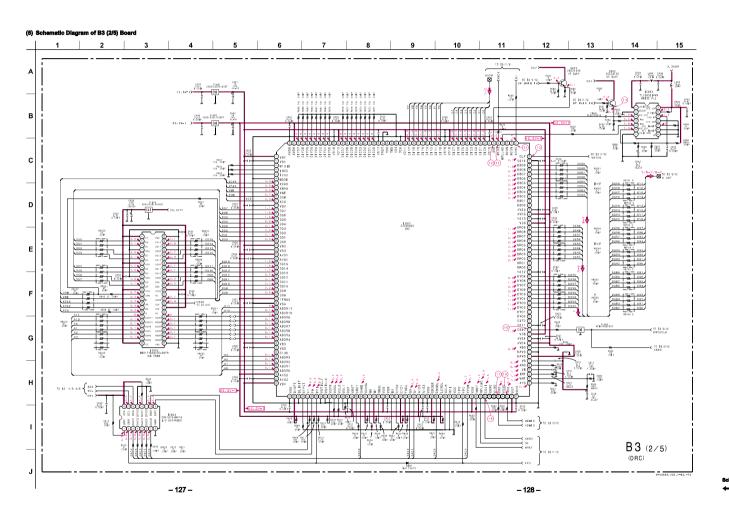
- A1 Board - (Component Side)

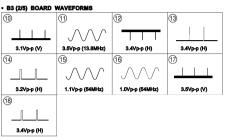




6





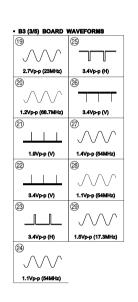


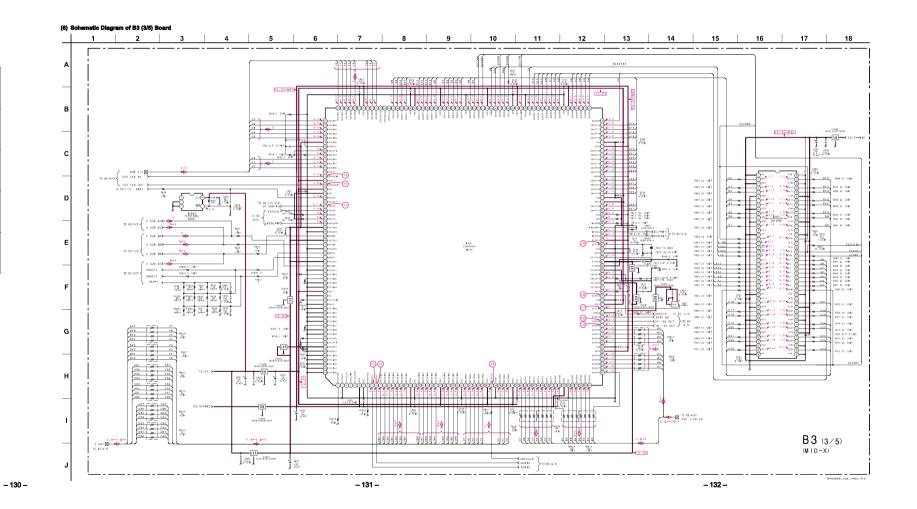
Schematic diagram

(2/5) board

B₃ (3/5) board →

- 129 -

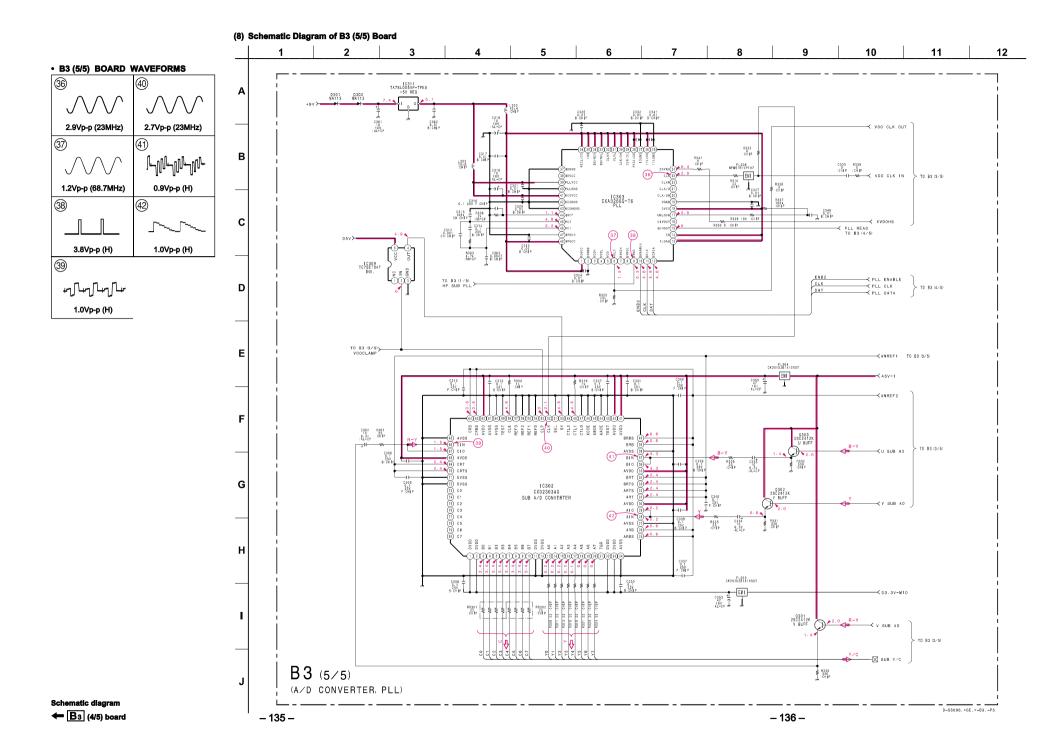




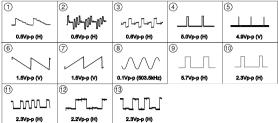
(7) Schematic Diagram of B3 (4/5) Board 5 6 8 10 11 12 13 14 Α | R916 | R951 | 1.2k | CHIP | 2.2k | R952 2.2k CHIP 0905 2SK2036 LEVEL SHIFT TO B3 (3/5) TO B3 (1/5, 2/5) В LOGOGOG J 8945 : CHIP \$ 0 CHIP → PLL CLK ≻ TO B3 (5/5) С W- ✓ PLL READ J FL908 FL907 D FL993 | Y/B-Y/R-Y | DSP Y/CR/CB | | | | Ε A5V-1 CK0510JB1A105ST F MB94918RPF-G124-BND SUB-UCOM SUB-BUSY 2)Y/C-SW2 (2)BS/DEC-SW1 —<TO B3 (1 /5) HP SUB IN ©BS/DEC-SW2 ©CHR-RST (≋)CHR-BUSY • B3 (4/5) BOARD WAVEFORMS SOSD-CS G ©BILIN2 RB53 CHIP TO B3 (5/5) PLL ENABLE > 1.1Vp-p (H) 1.0Vp-p (54MHz) (31) Н 1.1Vp-p (H) 3.2Vp-p (20MHz) B3 (4/5) +1/L+1/L+1/L+ ≺ T0 B3 (1/5) (D/A CONVERTER, SIGNAL CONTROL) C913 0.01 F:CHIP 1.1Vp-p (H) 5.0Vp-p (V)

- 134 -

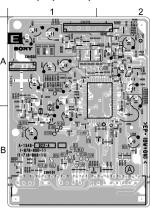
- 133 -



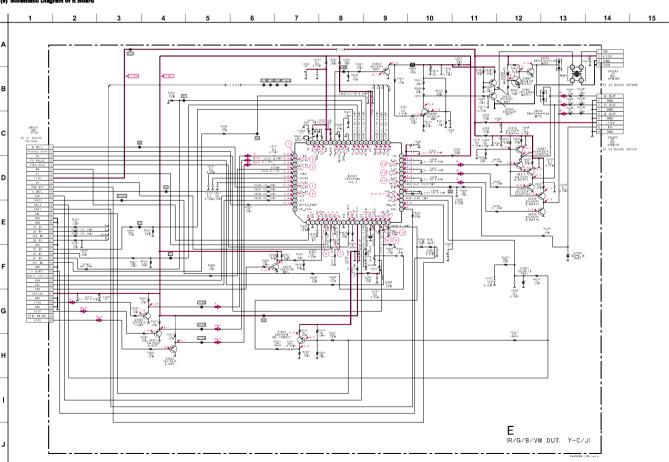




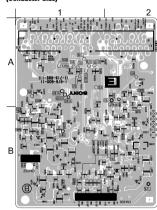
- E Board - (Component Side)



(9) Schematic Diagram of E Board



Conductor Side)

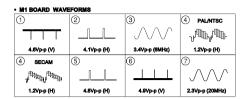


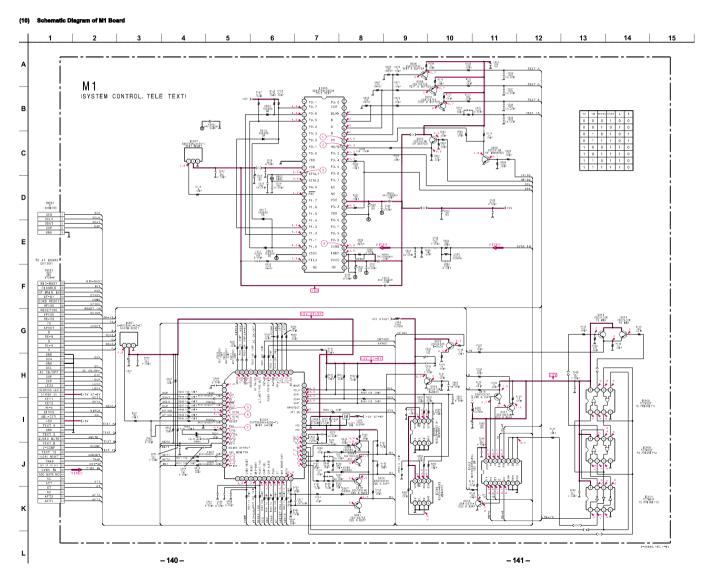
• E BOARD SEMICONDUCTOR LOCATION

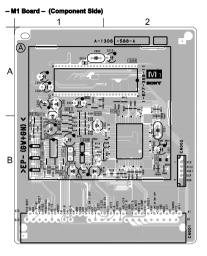
IC IC	Q4322 B-1 ② Q4323 B-1 ①
(Conscient) (Conscient) See (See) IC4301 A-2	Q4324 B-1 ① Q4801 B-1 ① Q4802 B-1 ①
TRANSISTOR	DIODE
(Component) (Conductor) *	Konsowsk (Credictor) .
Q4301 B-1 ① Q4303 A-2 ① Q4304 B-1 ② Q4304 B-1 ② Q4308 A-1 ③ Q4310 A-2 ② Q4316 A-1 ②	D4304 A-2 So D4801 B-1 G D4802 B-1 G D4803 B-1 G
Q4317 A-1 ② Q4318 A-1 ②	CRYSTAL
Q4319 B-1 @ Q4320 A-1 ① Q4321 A-1 ①	(Composinf) (Conductor) Side Side X4300 B-2

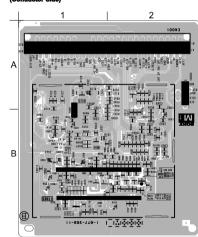
#: Refer to Terminal name of semiconductors in slik screen printed circuit (see page 110)

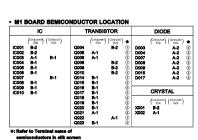
M1 SYSTEM CONTROL TELE TEXT

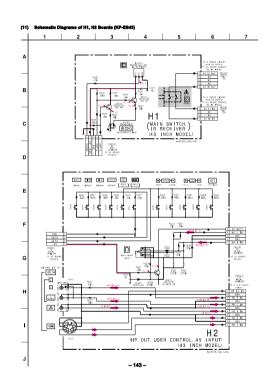


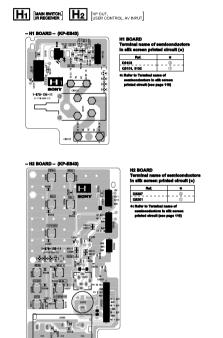




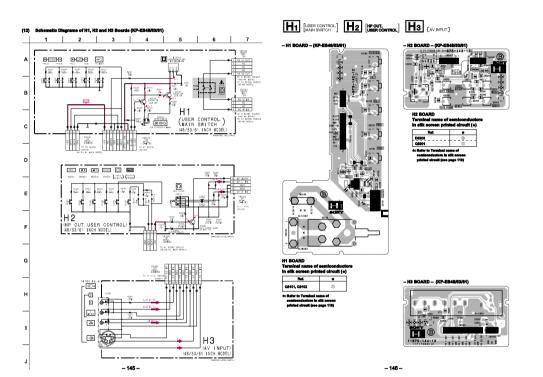


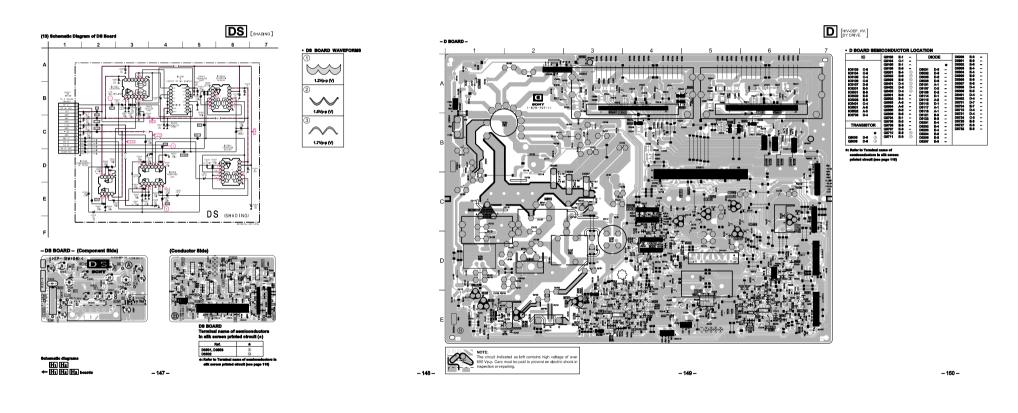


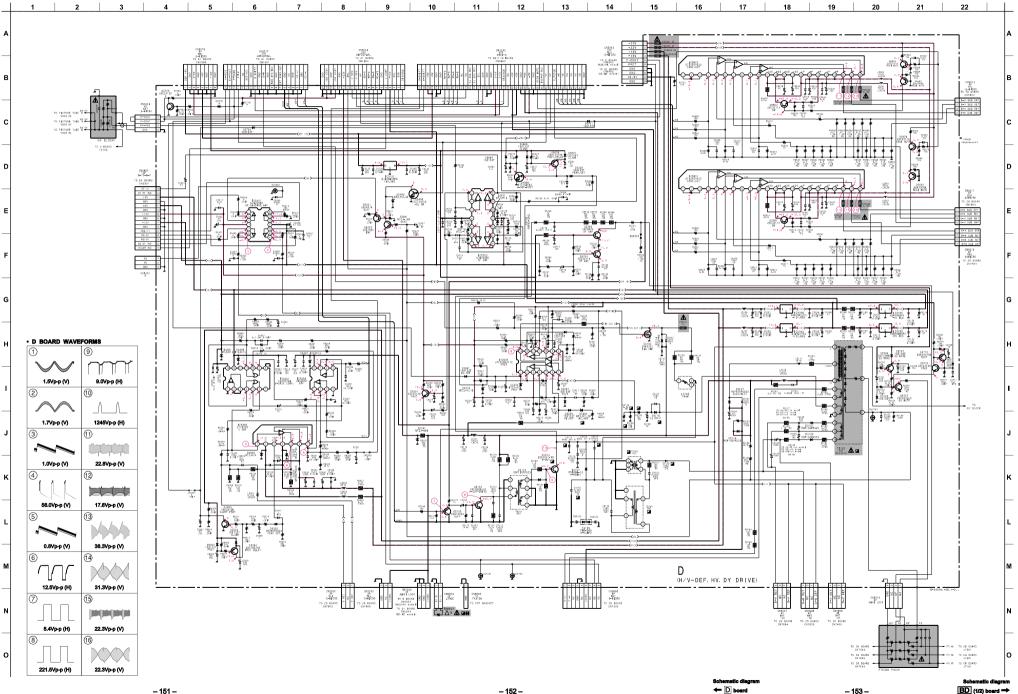


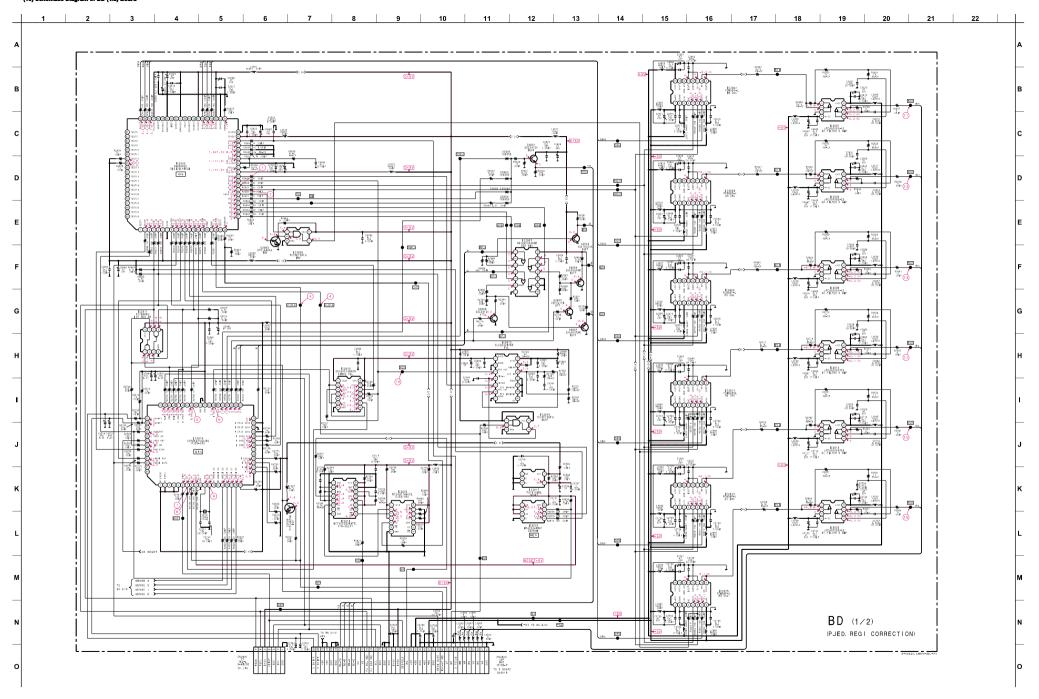


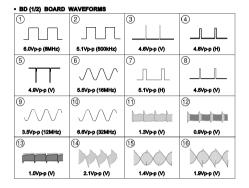
- 144 -

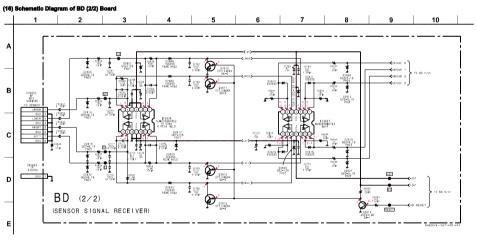






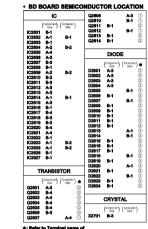






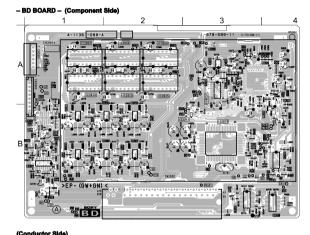
– 157 –

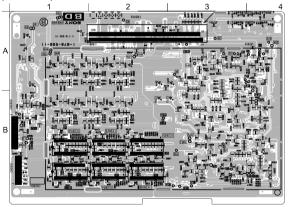
BD [PJED, REGI CORRECTION]



*: Refer to Terminal name of semiconductors in silk screen printed circuit (see page 110)

- 158 -





8chematic diagram

← BD (1/2) board – 159 –





- CG BOARD -

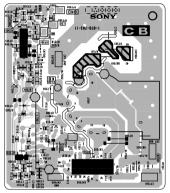
- ZG BOARD -

CG [GCRT DRIVE] ZG [DY, VM DRIVE]

- ZB BOARD -

CB [B CRT DRIVE] ZB [DY, VM DRIVE]

- CB BOARD -

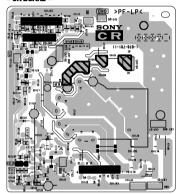


CB BOARD Terminal name of semi-in silk screen printed c

ilik screen printed circuit (*)		
Ref.		
307, 7309	3	
301, 7302, 7305, 06	•	

*: Refer to Terminal name of semiconductors in slik screen printed circuit (see page 110)

- CR BOARD -



CR BOARD Terminal name of ser

iii alik acidali priintau circuit (*)		
Ref.	*	
D7108	3	
Q7101, 7104	①	

Ref.	*
D7208	3
Q7201, 7202	0



NOTE:
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.





CG

SONY

ZG BOARD Terminal name of semiconductor in silk screen printed circuit (*)

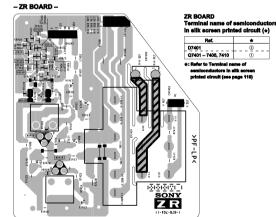
Ref.	*
603	
601, 7604 – 7607, 610	•

SONY ZB 11-80/-8/8-1

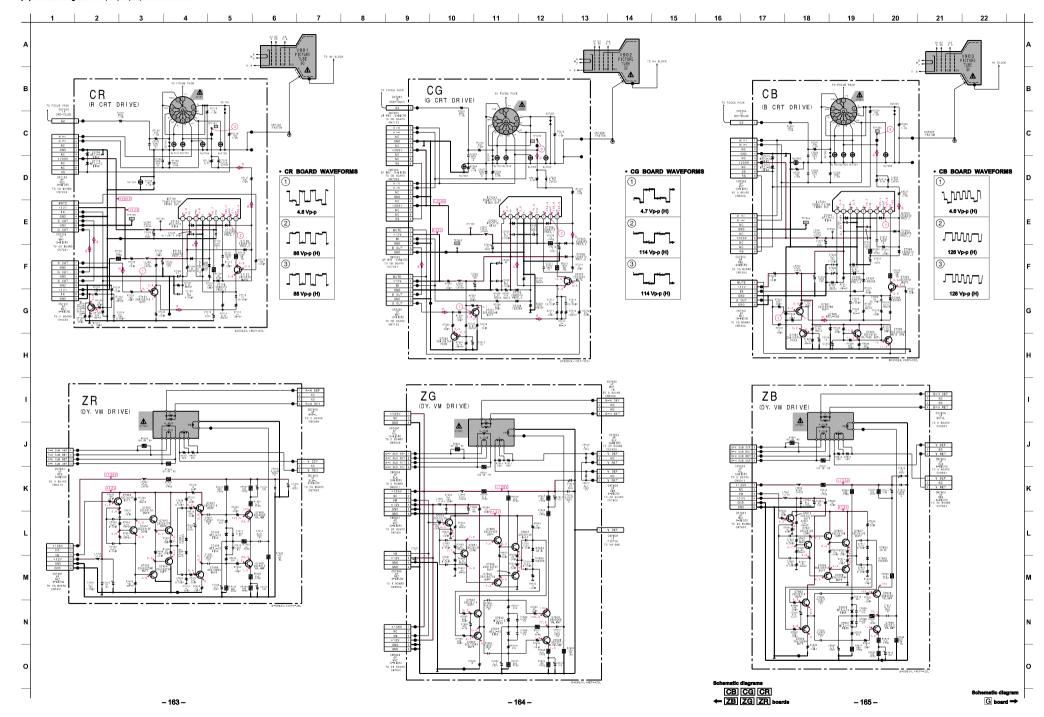
ZB BOARD Terminal name of semico

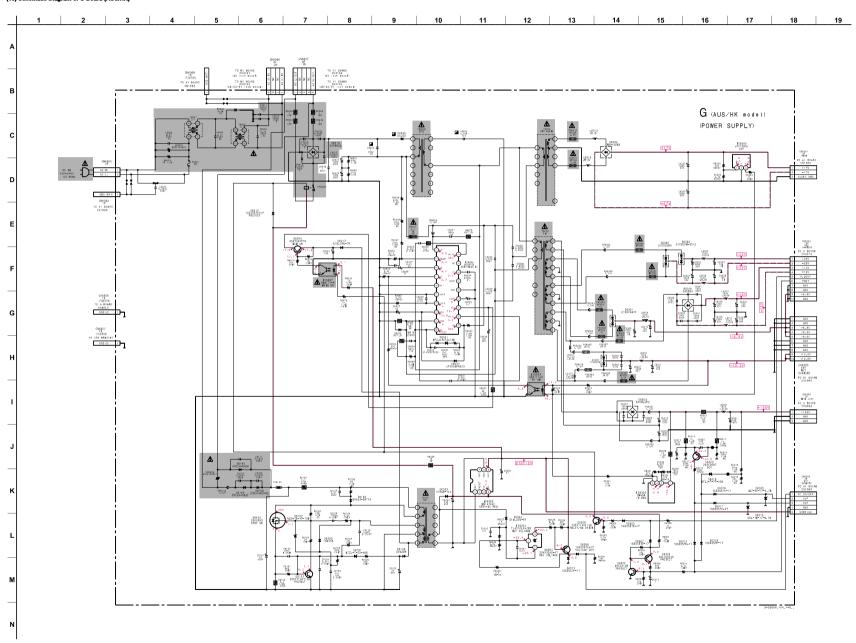
in our outour printed onoun (*)		
Ref.	*	
D7803	3	
Q7801, 7804 - 7807, Q7810	•	

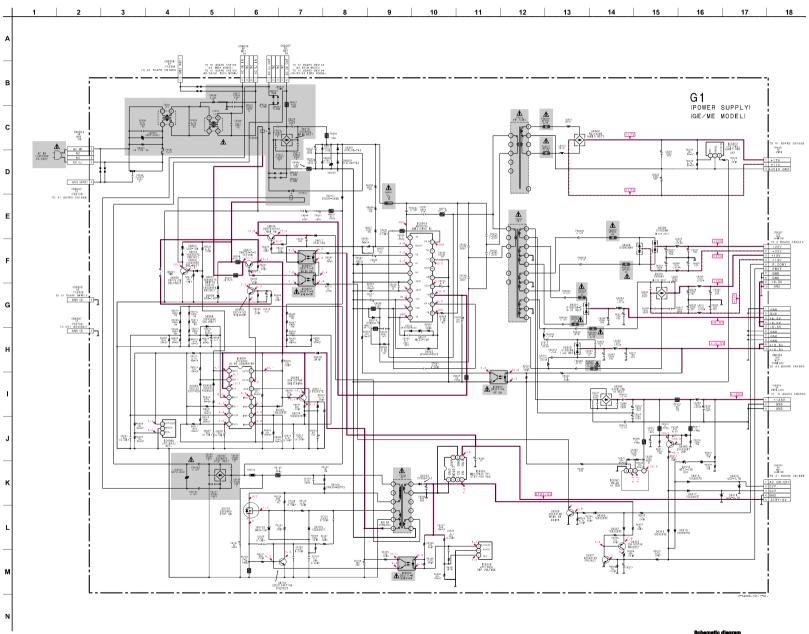
*: Refer to Terminal name of semiconductors in slik screen printed circuit (see page 110)



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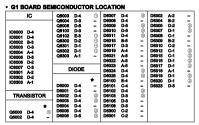


• G BOARD SEMICONDUCTOR LOCATION

IC	DIODE	D6304 B-2 -
108002 B-3 108004 A-4 108007 C-3 108007 C-3 108001 A-3 108000 A-3 108000 A-2 108000 A-2 08000 D-2 08000 D-1 08000 D-1 08000 D-1 08000 D-1 08000 D-1 08000 D-1 08000 D-1 08000 A-1 08000 A-1 0800 A-1 08000 A-1 08000 A-1 08000 A-1 08000 A-1 08000 A-1 08000 A-1	D8010 D3 3 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5	D8306 D-2

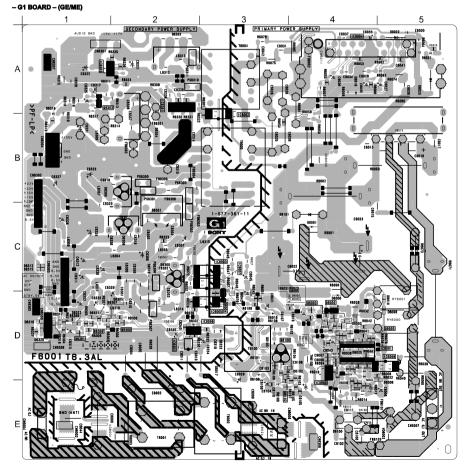
#: Refer to Terminal name of semiconductors in allk screen printed circuit (see page 110)

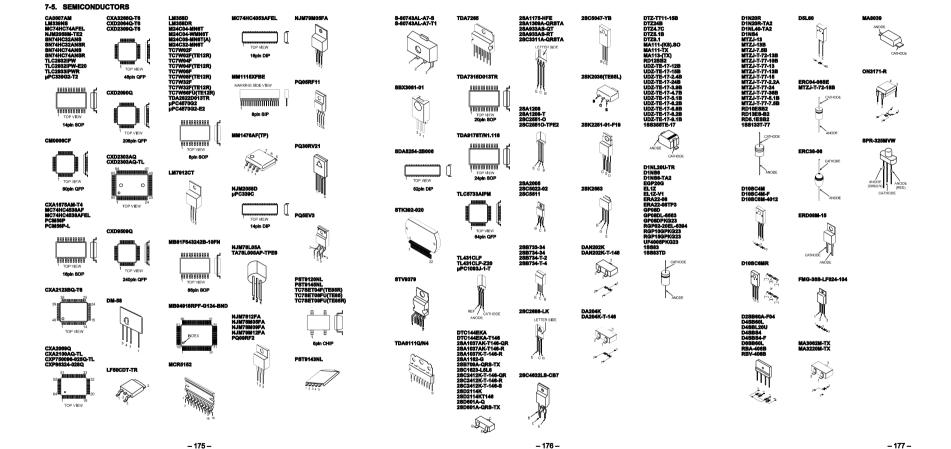




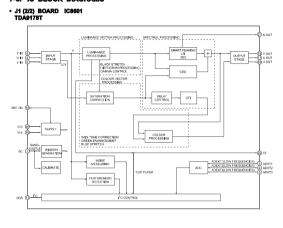
e: Refer to Terminal name of semiconductors in alik screen

- G BOARD - (AUS/HK)

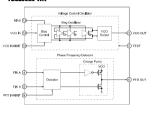




7-6. IC BLOCK DIAGRAMS



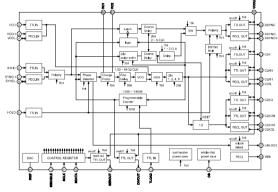




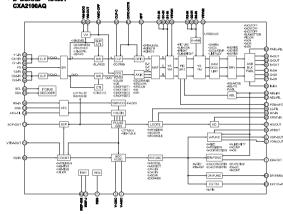
• BD (1/2) BOARD IC2602, 2604, 2609, 2614, 2623, 2625 PCM56P



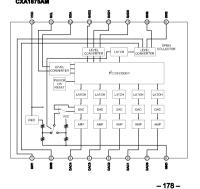
• B3 (5/5) BOARD IC303 CXA3266Q



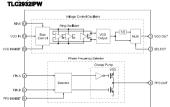
• E BOARD IC4301 CXA2100AQ



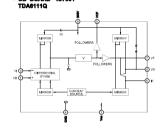
• B3 (2/5) BOARD IC604 CXA1875AM



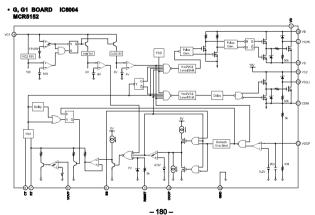
• B3 (2/5) BOARD IC603 • BD (1/2) BOARD IC2612 TLC2932IPW



• CR BOARD IC7101 • CG BOARD IC7201 • CB BOARD IC7301 TDA6111Q



• G, G1 BOARD IC6301 DM-58



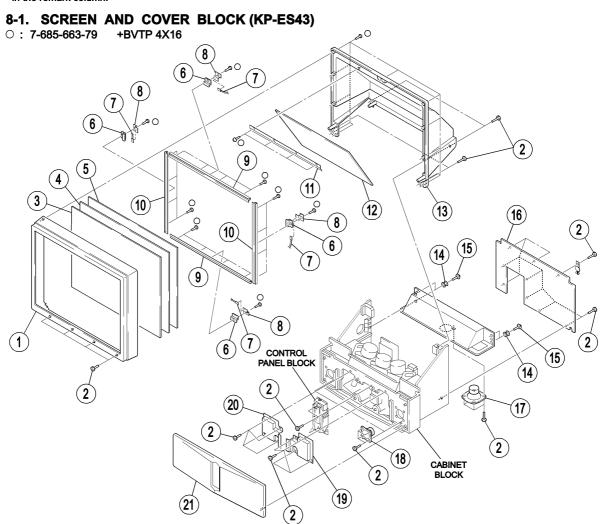
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SECTION 8 EXPLODED VIEWS

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

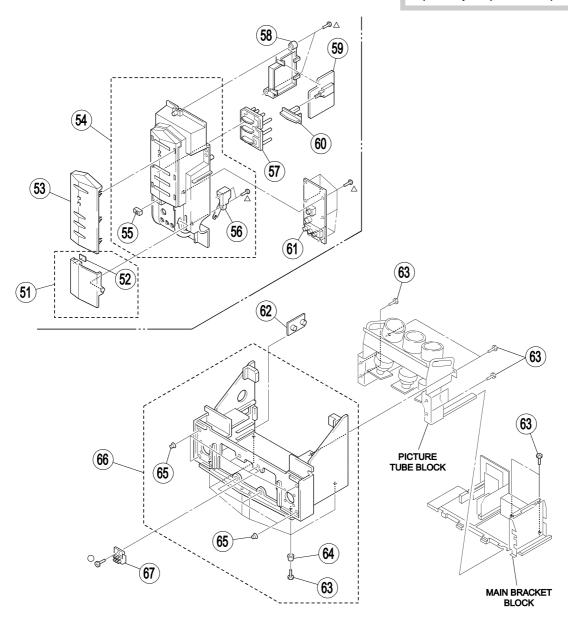
The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1 2 3 4	4-378-522-31 4-076-507-11 4-075-439-11	BEZEL (43) ASSY SCREW, TAPPING, HEXAGO SCREEN (43AR), CONTRAST PLATE (43L), DIFFUSION		14 15	*4-076-588-01 4-077-433-01 4-058-870-01	MIRROR (43) COVER (43), MIRROR BUSHING, RUBBER SCREW, (4X16) W (+) P TAF	PPING
7 8 9	* 4-205-155-01 1-528-864-11 * 4-066-132-01 * 4-076-698-21	PLATE (43F), DIFFUSION COVER, SENSOR BATTERY, SOLAR HOLDER, SENSOR HOLDER, SCREEN HOLDER, SCREEN		17 18 19	1-529-792-11 1-529-791-11 *4-075-384-01 *4-075-385-01	BOARD (43), REAR SPEAKER (12 CM) SPEAKER (10 CM) COVER (R), FRONT COVER (L), FRONT GRILLE ASSY, SPEAKER	
11 '	*4-066-129-01	HOLDER, MIRROR					

8-2. CONTROL PANEL AND CABINET BLOCK (KP-ES43)

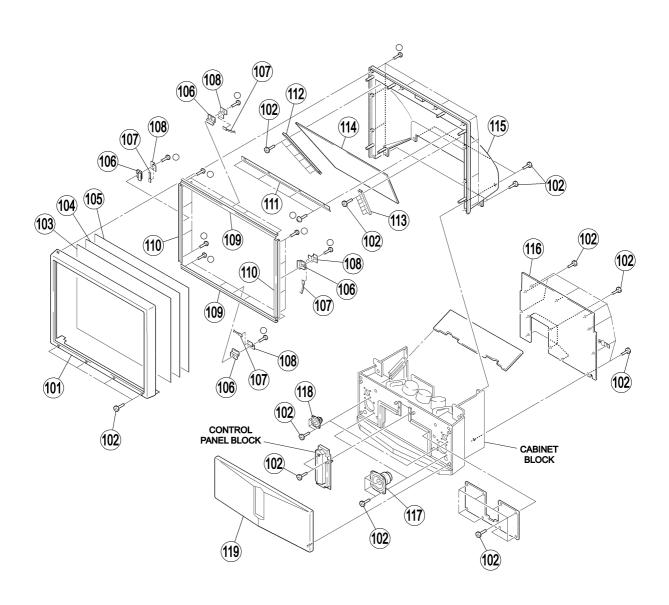
△ : 7-685-648-79 +BVTP 3X12 ○ : 7-685-663-79 +BVTP 4X16 The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
53 54	4-076-581-01 4-075-390-01 X-4037-768-1	PANEL ÀŚSY, CONTROL	52 55, 56	62 63	* A-1372-803-A * 1-761-348-11 4-378-522-31	BUTTON, POWER A H1 BOARD, COMPLETE PWB, MOUNTED (NET WORK SCREW, TAPPING, HEXAGO	
55	3-736-779-01	MAGNET		64	4-076-577-01	FOOT	
58 *	4-075-391-01 4-075-389-01	DAMPER UNIT BUTTON, MALTI BRACKET, H1 .H2 BOARD, COMPLETE				CABINET (43) ASSY RESISTOR ASSY (HIGH-VOL	63-65 TAGE) CUS PACK)

8-3. SCREEN AND COVER BLOCK (KP-ES48)

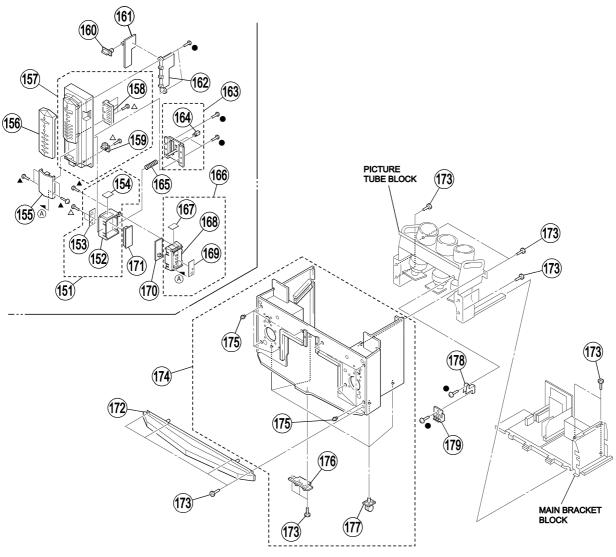
○ : 7-685-663-79 +BVTP 4X16



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
101	X-4037-794-1	BEZNET (48) ASSY		111	* 4-075-234-01	HOLDER (TOP), MIRROR	
102		SCREW, TAPPING, HEXAGO	N HEAD			HOLDER (SL), MIRROR	
103		SCREEN (48), CONTRAST				HOLDER (SR), MIRROR	
104		PLATE (48L), DIFFUSION		114		MIRROR (48)	
105	4-058-455-12	PLATE (F), DIFFUSION		115	*4-076-707-01	COVER (48), MIRROR	
107	1-528-864-11	COVER, SENSOR BATTERY, SOLAR HOLDER, SENSOR		116 117 118	1-529-643-11	BOARD, REAR SPEAKER (13 CM) SPEAKER (6.6 CM)	
109	* 4-076-698-01	HOLDER, SCREEN HOLDER, SCREEN		119		GRILLE ASSY, SPEAKER	

8-4. CONTROL PANEL AND CABINET BLOCK (KP-ES48)

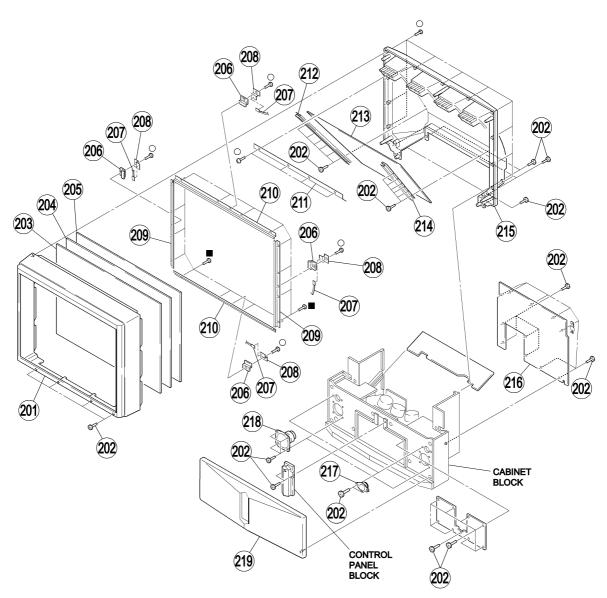
▲ : 7-685-534-19 +BTP 2.6X8 △ : 7-685-648-79 +BTP 3X12 ● : 7-685-663-71 +BVTP 4X16 The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO	. PART NO.	DESCRIPTION	REMARK
151 152 153 154 155 156 157 158 159 160	4-072-001-03 4-071-990-11 4-076-702-01 4-071-999-12 4-072-007-21 X-4037-024-6 4-071-997-01 4-919-393-01	LABEL`(Ĺ), CONTROL LABEL (L), TOP PANEL (T) PANEL (C) PANEL ASSY, CONTROL BUTTON, MULTI	152-154 158, 159	172 173	4-076-701-01 4-072-000-03 4-071-989-01 *A-1372-788-A *A-1372-789-A *4-075-256-01 4-378-522-31	LABEL`(Ŕ), CONTROL H2 BOARD, CONTROL H3 BOARD, CONTROL SKIRT, FRONT SCREW, TAPPING, HEXA CABINET (48) ASSY	167-169 GON HEAD 173, 175-177
	4-071-998-01 * X-4037-221-2	NH1 BOARD, COMPLETE BRACKET (HA) HOLDER ASSY, TRAY CATCHER, PUSH SPRING (T)	164		4-075-244-01 *4-054-825-01	FOOT, PLASTIC CASTER (30 DIA.) BRACKET, FOCUS PACK RESISTOR ASSY (HIGH-V	OLTAGE) FOCUS PACK)

8-5. SCREEN AND COVER BLOCK (KP-ES53)

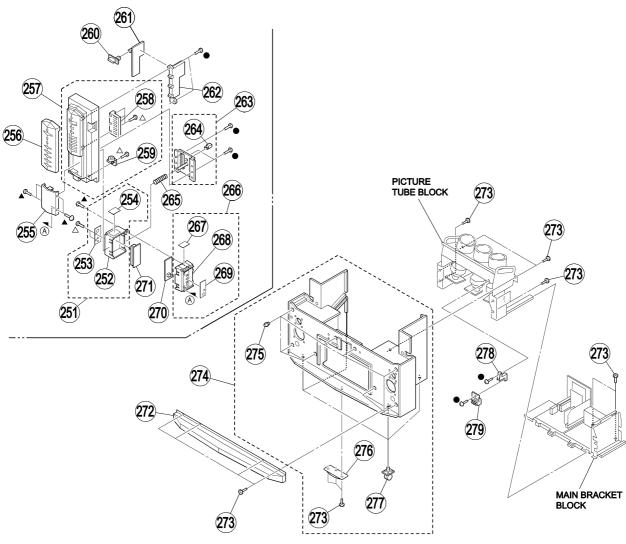
■ : 7-685-661-79 +BVTP 4X12 ○ : 7-685-663-79 +BVTP 4X16



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	. PART NO.	DESCRIPTION	REMARK
201	X-4037-799-1	BEZNET (53) ASSY		211	* 4-075-234-01	HOLDER (TOP), MIRROR	
202		SCREW, TAPPING, HEXAGO	N HEAD			HOLDER (LS), MIRROR	
203	4-064-186-11	SCREEN (53), CONTRAST		213	4-070-344-01	MIRROR, REFLECTION	
204		PLATE (L), DIFFUSION		214	*4-069-688-01	HOLDER (RS), MIRROR	
205	4-076-506-11	PLATE (53FV), DIFFUSION		215	*4-069-694-01	COVER, MIRROR	
206	* 4-205-155-01	COVER, SENSOR		216	* 4-076-711-01	BOARD, REAR	
207	1-528-864-11	BATTERY, SOLAR		217	1-529-403-11	SPEAKER (6.6 CM)	
208	*4-066-132-01	HOLDER, SENSOR		218	1-529-405-11	SPEAKER (13 CM)	
		HOLDER (53) S, SCREEN		219	X-4037-798-1	GRILLE ASSY, SPEAKER	
210	* 4-075-269-01	HOLDER (53) L, SCREEN					

8-6. CONTROL PANEL AND CABINET BLOCK (KP-ES53)

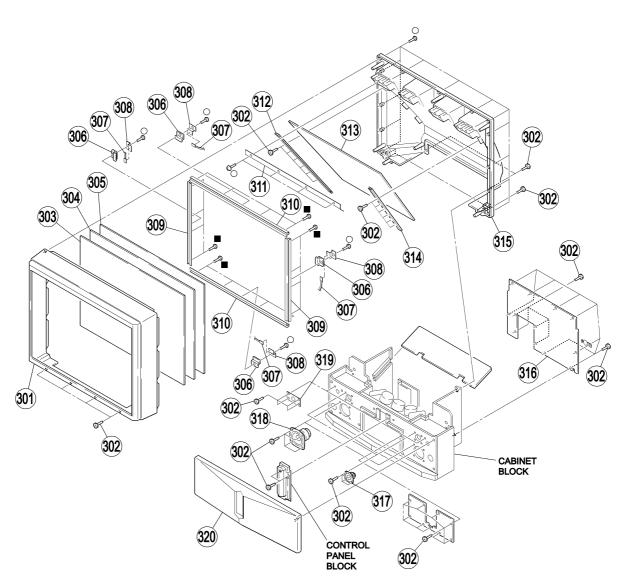
▲ : 7-685-534-19 +BTP 2.6X8 △ : 7-685-648-79 +BTP 3X12 ● : 7-685-663-71 +BVTP 4X16 The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NC). PART NO.	DESCRIPTION	REMARK
251	X-4037-796-1	TRAY (L) ASSY	252-254	266	X-4037-795-1	TRAY (R) ASSY	267-269
252	4-072-001-03	TRAY (L)		267	4-076-701-01	LABEL`(Ŕ), TOP	
253	4-071-990-11	LABEL (Ĺ), CONTROL		268	4-072-000-03	TRAY (R)	
254	4-076-702-01	LABEL (L), TOP		269	4-071-989-01	LABEL`(Ŕ), CONTROL	
255	4-071-999-12	PANEL (T)		270	* A-1372-788-A	H2 BOARD, COMPLETE	
256	4-072-007-21	PANEL (C)		271	* A-1372-789-A	H3 BOARD, COMPLETE	
257	X-4037-024-6	PANEL ÀŚSY, CONTROL	258, 259	272	* 4-074-349-01	SKIRT (53), FRONT	
258	4-071-997-01	BUTTON, MULTI	·	273	4-378-522-31	SCREW, TAPPING, HEXAG	ON HEAD
259	4-919-393-01	DAMPER		274	*X-4037-797-1	CABINET (53) ASSY, BOTT	OM
260	4-071-995-01	BUTTON, POWER				. ,	273, 275-277
				275	4-063-421-02	LATCH (K)	
		H1 BOARD, COMPLETE					
		BRACKET (HA)		276		FOOT, PLASTIC	
		HOLDER ASSY, TRAY	264	277		CASTER (DIA. 30)	
		CATCHER, PUSH				BRACKET, FOCUS PACK	
265	4-071-987-02	SPRING (T)		279	△1-223-925-11	RESISTOR ASSY (HIGH-VC	OLTAGE) FOCUS PACK)
						· · · · · · · · · · · · · · · · · · ·	

8-7. SCREEN AND COVER BLOCK (KP-ES61)

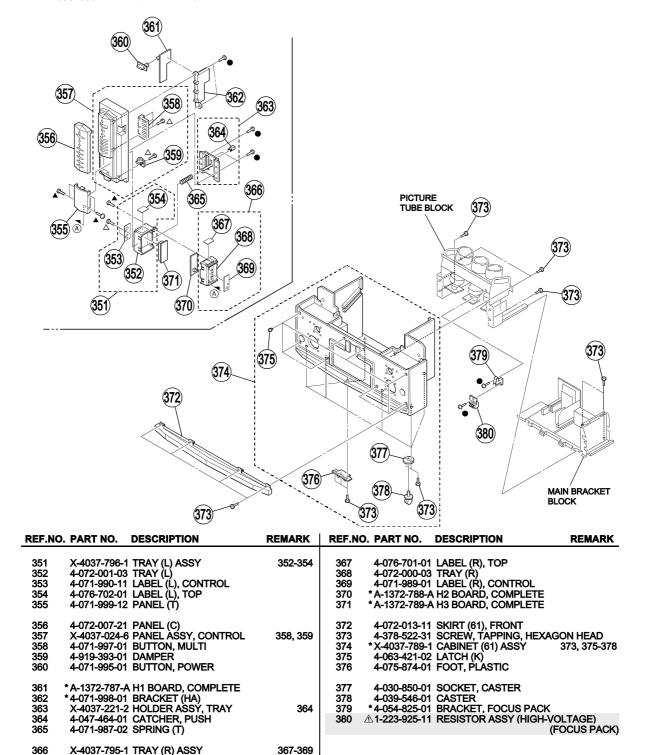
■ : 7-685-661-79 +BVTP 4X12 ○ : 7-685-663-79 +BVTP 4X16



REF.NO	. PART NO.	DESCRIPTION	REMARK	REF.NO	. PART NO.	DESCRIPTION	REMARK
301	X-4037-791-1	BEZNET (61) ASSY		311	*4-070-345-01	HOLDER (TOP), MIRROR	
302		SCREW, TAPPING, HEXAGO	N HEAD			HOLDER (L), MIRROR	
303		SCREEN (61), CONTRAST		313	4-070-922-01	MIRROR, RÉFLECTION	
304	4-070-283-11	PLATE (L), DÍFFUSION		314	*4-069-690-01	HOLDER (R), MIRROR	
305	4-066-082-11	PLATE (F), DIFFUSION		315	*4-069-695-01	COVER, MIRROR	
306		COVER, SENSOR				BOARD, REAR	
307		BATTERY, SOLAR		317		SPEAKER (8 CM)	
308		HOLHDER, SENSOR		318		SPEAKER (16 CM)	
309		HOLDER (V61), SCREEN		319		SPEAKER (2.7 CM)	
310	4-072-005-01	HOLDER (H61), SCREEN		320	X-4037-790-1	GRILLE (61) ASSY, SPEAKE	R

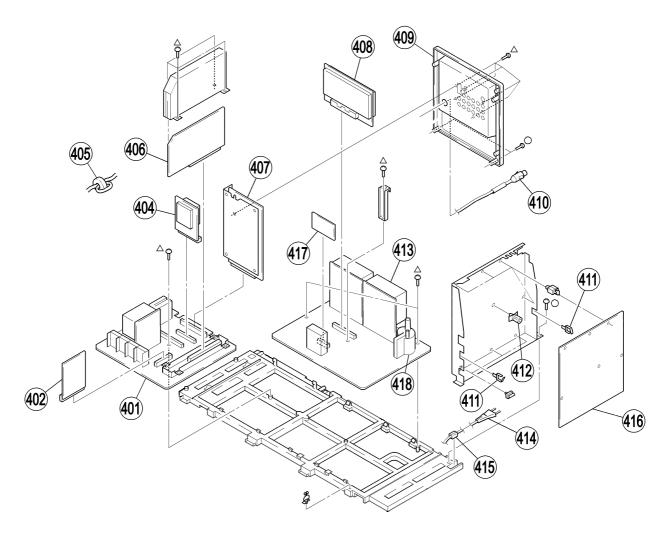
8-8. CONTROL PANEL AND CABINET BLOCK (KP-ES61)

▲ : 7-685-534-19 +BTP 2.6X8 △ : 7-685-648-79 +BVTP 3X12 ● : 7-685-663-71 +BVTP 4X16 The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

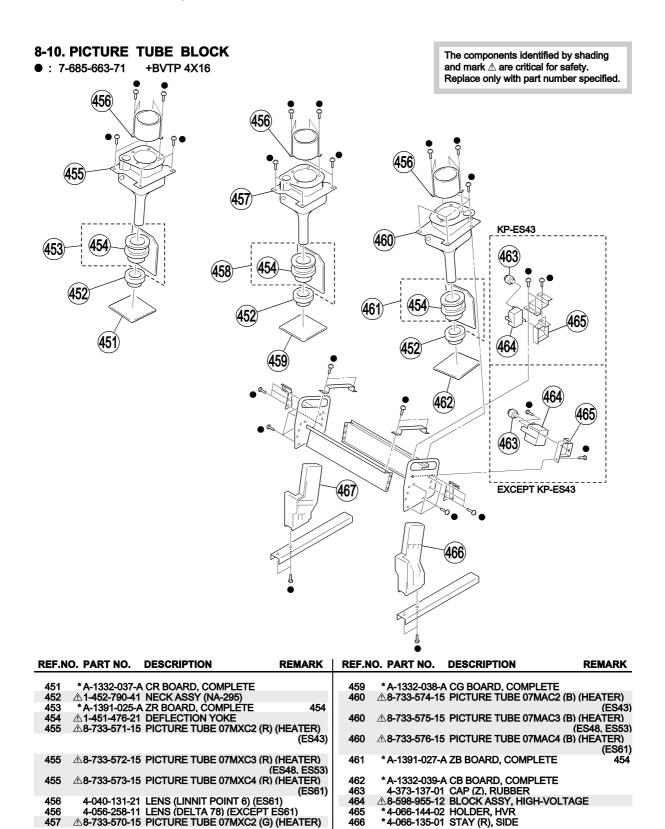


8-9. MAIN BRACKET BLOCK

△ : 7-685-648-79 +BVTP 3X12 ○ : 7-685-663-79 +BVTP 4X16 The components identified by shading and mark ∆ are critical for safety. Replace only with part number specified.



REF.NO	D. PART NO.	DESCRIPTION	REMARK	REF.N	O. PART NO.	DESCRIPTION	REMARK
401		A A1 BOARD, COMPLETE		414	1-574-062-52	CORD, POWER (WITH COM	
402		A E BOARD, COMPLETE				(ES43ME1/MN1, E	
404		A M1 BOARD, COMPLETE				ES53ME1/MN1. E	S61ME1/MN1)
405	1-543-982-1	I CORE, FERRITE		414	1-792-002-11	CORD, POWER (WITH FILT	TER)
406	* A-1136-087-	A B3 BOARD, COMPLETE				(ES43HK1, ES48HK1, ES53H	łK1, ES61HK1)
				414	1-792-035-11	CORD, POWER (WITH FILT	ΓER)
407	* A-1394-982-	A J1 BOARD, COMPLETE				(ES43SN1, ES48SN1, ES53S	N1, ES61SN1)
408	* A-1136-088-	A BD BOARD, COMPLETE		415	4-022-115-00	HOLDER, AC CORD	•
409	4-076-679-0°	I TERMINAL BOARD				•	
410	1-790-082-1	I CABLE, RF		416	* A-1316-514-A	G1 BOARD, COMPLETE	
411	*4-316-015-00	HOLDER, WIRE				(E\$43ME1/MN1, E	S48ME1/MN1.
		•				`ES53ME1/MN1, E	S61ME1/MN1)
412	* 4-046-677-1	HOLDER (B), PRINTED CIRC	CUIT BOARD	416	* A-1316-528-A	G BOARD, COMPLETE	· · · · · · · · · · · · · · · · · ·
413		A D BOARD, COMPLETE (ES4				(ES43HK1/SN1, E	S48HK1/SN1.
413		A D BOARD, COMPLETE (ES5				ES53HK1/SN1, E	
413		A D BOARD, COMPLETE (ES6		417	* A-1343-830-A	DS BOARD, COMPLETE	
413		A D BOARD, COMPLETE (ES4		418		TRANSFORMER ASSY, FL'	YBACK
		(-,				NX-4010//M



465

466

467

*4-066-134-01 STAY (L), SIDE

4-040-131-21 LENS (LINNIT POINT 6) (ES61) 4-056-258-11 LENS (DELTA 78) (EXCEPT ES61) ▲8-733-570-15 PICTURE TUBE 07MXC2 (G) (HEATER)

*A-1391-026-A ZG BOARD, COMPLETE

456

456 457

458

SECTION 9 ELECTRICAL PARTS LIST



NOTE:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board name.

The components identified by ${\bf H}$ in this • Items marked " * " are not stocked since manual have been carefully factoryselected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

· All variable and adjustable resistors have noted.

they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- CAPACITORS PF: µµF
- characteristic curve B, unless otherwise . There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

RESISTORS

- · All resistors are in ohms
- F : nonflammable

DEE NO	DARTNO	DECODIDEION		DEMARK	DEENO	DARTNO	DECODIDE		_	
REF.NO.	. PART NO.	DESCRIPTION	<u> </u>	REMARK	REF.NO.	PART NO.	DESCRIPTION	<u> </u>	K	EMARK
	*A-1372-787-A	H1 BOARD, C			R3108	1-216-049-91		1K	5%	1/10W
		*****		48, ES53, ES61)	R3109 R3110	1-208-806-11 1-216-295-91	METAL CHIP SHORT	10K 0	0.5%	1/10W
					D2444	1-216-295-91	CHODE	0		
	*4-072-004-01	HOLDER, LED	(D3002)		R3111 R3112	1-216-295-91		0		
			` ,		R3113 R3115	1-216-033-00	RES-CHIP	220 8.2K	5%	1/10W
	<capacito< td=""><td>₹></td><td></td><td></td><td>RSTIS</td><td>1-200-004-11</td><td>METAL CHIP</td><td>0.ZN</td><td>0.5%</td><td>1/10W</td></capacito<>	₹>			RSTIS	1-200-004-11	METAL CHIP	0.ZN	0.5%	1/10W
C3101	1-126-157-11	ELECT	10μF	20% 16V		<switch></switch>				
					S3101	1_692_431_21	SWITCH, TACT	II (PROG -	F)	
	<connecto< td=""><td>OR></td><td></td><td></td><td>S3102</td><td>1-692-431-21</td><td>SWITCH, TACT</td><td>'IL (PROG -</td><td></td><td></td></connecto<>	OR>			S3102	1-692-431-21	SWITCH, TACT	'IL (PROG -		
CN2101	*1 564 510 11	PLUG. CONNE	CTOP 4D		S3103 S3104		SWITCH, TACT SWITCH, TACT			
		PLUG, CONNE			S3104 S3105		SWITCH, TACT		EO)	
		PIN, CONNECT			S3106 /	\ 1 571 <i>1</i> 22 21	SWITCH BLIEF	1 (AC BOW	ED\ /D/	OWED)
CN3104	1-091-291-11	PIN, CONNEC	IOR (PC BC	JARD) SP			SWITCH, PUSH			
	<diode></diode>					* A-1372-803-A	A H1 BOARD, CO	OMPLETE (ES43)	
D3002	8_710_064_11	DIODE SPR-32	5M\/W				*******	******		
D0002	0 7 10 00 7 11	DIODE OF IX OF		TANDBY/TIMER						
						*4-072-004-01	HOLDER, LED	(D3101)		
	<ic></ic>					<capacito< td=""><td>R></td><td></td><td></td><td></td></capacito<>	R>			
IC3101	8-742-205-30	HYB IC SBX30	81-01(30)		C3101	1-126-157-11	ELECT	10µF	20%	16V
	<transist< td=""><td>OR></td><td></td><td></td><td></td><td><connecto< td=""><td>OR></td><td></td><td></td><td></td></connecto<></td></transist<>	OR>				<connecto< td=""><td>OR></td><td></td><td></td><td></td></connecto<>	OR>			
Q3101		TRANSISTOR					PIN, CONNECT			
Q3102	8-729-120-28	TRANSISTOR	2SC1623-L	5L6			PIN, CONNECT		DARD)	5P
	∠DECICTOD						,			
	<resistor:< td=""><td></td><td></td><td></td><td></td><td><diode></diode></td><td></td><td></td><td></td><td></td></resistor:<>					<diode></diode>				
R3101		METAL CHIP	820	0.5% 1/10W	D0400	0.740.004.44	DIODE ODD 00	F1 (1) (14)		
R3102 R3103		METAL CHIP	1.8K 3K	0.5% 1/10W 0.5% 1/10W	D3103	8-719-064-11	DIODE SPR-32		TANDB	Y/TIMER)
R3104	1-208-798-11	METAL CHIP	4.7K	0.5% 1/10W				(,
R3105	1-216-041-00	RES-CHIP	470	5% 1/10W		<ic></ic>				
R3106	1-216-037-00		330	5% 1/10W		.10-				
R3107	1-208-806-11	METAL CHIP	10K	0.5% 1/10W	IC3101	8-742-205-30	HYB IC SBX308	31-01(30)		

H1 H2

The components identified by shading and mark ∆ are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	ı	R	EMARK	REF.NO.	PART NO.	DESCRIPTION	ı	R	EMARK
	<transisto< td=""><td>OR></td><td></td><td></td><td></td><td></td><td><transisto< td=""><td>OR></td><td></td><td></td><td></td></transisto<></td></transisto<>	OR>					<transisto< td=""><td>OR></td><td></td><td></td><td></td></transisto<>	OR>			
Q3101 Q3102		TRANSISTOR 2				Q3201	8-729-120-28	TRANSISTOR	2SC1623-L5	iL6	
	<resistor></resistor>	_					<resistor:< td=""><td>></td><td></td><td></td><td></td></resistor:<>	>			
R3101 R3102 R3103 R3104 R3105 R3106 R3107 R3108	1-216-295-91 1-216-037-00 1-216-295-91 1-216-295-91 1-216-037-00 1-216-295-91 1-216-041-00 1-208-806-11	SHORT RES-CHIP SHORT SHORT RES-CHIP SHORT RES-CHIP METAL CHIP	0 330 0 0 330 0 470 10K		1/10W 1/10W 1/10W 1/10W	R3200 R3201 R3202 R3203 R3204 R3205 R3206 R3207 R3208	1-208-792-11 1-208-785-11 1-208-806-11 1-216-295-91 1-216-073-00 1-216-033-00	METAL CHIP METAL CHIP METAL CHIP METAL CHIP SHORT O RES-CHIP O RES-CHIP O RES-CHIP	0 4.7K 2.7K 1.3K 10K 0 10K 220 220	0.5% 0.5% 0.5% 5% 5%	1/10W 1/10W 1/10W 1/10W 1/10W 1/10W
	<switch></switch>	METAL CHIP SWITCH, PUSH		:R) (PC		R3209 R3210 R3212 R3213 R3219	1-216-033-00 1-216-033-00 1-216-295-91 1-216-033-00	RES-CHIP SHORT SHORT	220 220 0 0 220	5% 5% 5%	1/10W 1/10W 1/10W
	[,] A-1372-788-A	4 H2 BOARD, CC	OMPLETE (ES4		53, ES61)	\$3201 \$3202 \$3203	1-572-198-11 1-572-198-11	SWITCH, KEYE SWITCH, KEYE SWITCH, KEYE	BOARD (ME BOARD (ME	NU [´] +) NU –)	
C3201 C3202 C3203 C3204	1-163-037-11		0.022μF				1-572-198-11 1-572-198-11	SWITCH, KEYE SWITCH, KEYE SWITCH, KEYE	BOARD (AU' BOARD (AU' DMPLETE (I	TO ĆO	OGR)
		DR> PLUG, CONNE PLUG, CONNE				C3201 C3202 C3203		-		20% 10% 10%	
D3203		DIODE DTZ4.70	С			C3206		CERAMIC CHIE		10%	50V
J3201	<jack> 1-691-293-11</jack>	JACK (HEAD PI	HONE)			CN3202	* 1-564-520-11	OR> PLUG, CONNE PLUG, CONNE PLUG, CONNE	CTOR 5P		
JR3206	<chip cond<br="">1-216-295-91</chip>		0			D3207	<diode> 8-719-976-96</diode>	DIODE DTZ4.70	c		
L3201 L3202	<coil> 1-414-189-31 1-414-189-31</coil>		100µН 100µН			J3201 J3202 J3203	1-565-665-12	JACK (HEAD P TERMINAL, S 4 PIN JACK BLO	IP (VIDEO II		•

The components identified by shading and mark ∆ are critical for safety.
Replace only with part number specified.

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

H2 H3 ZR

			_	_						ا ك	
REF.NO.	PART NO.	DESCRIPTION		R	EMARK	REF.NO.	PART NO.	DESCRIPTION		R	EMARK
	<coil></coil>						<resistor></resistor>	•			
L3201	1-414-189-31	INDUCTOR	100µH			R3301	1-216-025-00	RES-CHIP	100	5%	1/10W
L3202	1-414-189-31		100µH			R3302	1-216-025-00		100	5%	1/10W
			•			******	******	*****	******	*****	*****
	<transisto< td=""><td>OR></td><td></td><td></td><td></td><td>•</td><td>* A-1391-025-A</td><td>ZR BOARD, CC</td><td></td><td></td><td></td></transisto<>	OR>				•	* A-1391-025-A	ZR BOARD, CC			
Q3201	8-729-120-28	TRANSISTOR 2	SC1623-L5	iL6							
							4-382-854-11	SCREW (M3X10)), P. SW (+	-)	
	<resistor:< td=""><td>></td><td></td><td></td><td></td><td></td><td></td><td></td><td>,, ,</td><td>•</td><td>8, Q7409)</td></resistor:<>	>							,, ,	•	8, Q7409)
R3201	1-208-780-11	METAL CHIP	820	0.5%	1/10W		<capacitor< td=""><td>₹></td><td></td><td></td><td></td></capacitor<>	₹>			
R3202	1-208-788-11	METAL CHIP	1.8K		1/10W						
R3203	1-208-793-11	METAL CHIP	3K		1/10W	C7401		CERAMIC CHIP			25V
R3204		METAL CHIP	4.7K		1/10W	C7402		CERAMIC CHIP		10%	50V
R3205	1-208-804-11	METAL CHIP	8.2K	0.5%	1/10W	C7403	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
						C7404	1-104-664-11	ELECT	47μF	20%	16V
R3206	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W	C7405	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
R3207	1-208-792-11	METAL CHIP	2.7K	0.5%	1/10W						
R3208	1-208-785-11	METAL CHIP	1.3K	0.5%	1/10W	C7406	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
R3209	1-208-806-11	METAL CHIP	10K	0.5%	1/10W	C7407	1-104-989-91	MYLAR	0.0022µF	10%	200V
R3210	1-216-295-91	SHORT	0			C7408	1-104-989-91	MYLAR	0.0022µF	10%	200V
						C7409	1-107-667-11		2.2µF	20%	160V
R3211	1-216-295-91	SHORT	0			C7410	1-130-471-00		0.001uF	5%	50V
R3212	1-216-073-00		10K	5%	1/10W	0	. 100 11 1 00		олоо гра	0,0	
R3213	1-216-033-00		220	5%	1/10W	C7411	1-130-471-00	MVI AD	0.001µF	5%	50V
R3214	1-216-033-00		220	5%	1/10W	C7412	1-107-364-11		0.001µF	10%	200V
R3215	1-216-033-00	RES-CHIP	220	5%	1/10W	C7413	1-126-968-11		100µF		50V
D0040	4 040 000 00	DEC OUD	000	50 /	4/4004/	C7414	1-126-968-11		100µF	20%	50V
R3216	1-216-033-00		220	5%	1/10W	C7415	1-107-645-11	ELECT	22µF	20%	200V
R3217	1-216-025-91		100	5%	1/10W						
R3218	1-216-025-91		100	5%	1/10W	C7416	1-161-830-00		0.0047µF		500V
R3219	1-216-033-00	RES-CHIP	220	5%	1/10W	C7418	1-126-935-11	ELECT	470µF	20%	6.3V
	<switch></switch>						<connecto< td=""><td>R></td><td></td><td></td><td></td></connecto<>	R>			
S3201	1-572-198-11	SWITCH, KEYB	OARD (PR	OG +)		CN7401 *	1-564-509-11	PLUG, CONNEC	CTOR 6P		
S3202		SWITCH, KEYB	•	•				PLUG, CONNEC			
S3203		SWITCH, KEYB						PLUG, CONNEC			
S3204		SWITCH, KEYB	•	•				PIN, CONNECT		R)	
S3205		SWITCH, KEYB)	G111 100	1 000 011 11	,	J. (, J.)	,	
S3206		SWITCH, KEYB	•	•			<diode></diode>				
S3207		SWITCH, KEYB									
S3208		SWITCH, KEYB				D7401		DIODE 1SS3557			
S3209		SWITCH, KEYB				D7403		DIODE MTZJ-13			
S3210	1-572-198-11	SWITCH, KEYB	OARD (AU	то со	NVER)	D7404	8-719-921-86	DIODE MTZJ-13	3		
S3211		SWITCH, KEYB					<connecto< td=""><td>OR></td><td></td><td></td><td></td></connecto<>	OR>			
	* 1070 700 4	A H3 BOARD. CO	MDI ETE			DV7404 A	1 454 476 04	DEEL ECTION V	OVE (D)		
	~- ISI Z-I 08-F	•	(ES	48, ES5	53, ES61)	D174012	2 1 -47 0-2 1	DEFLECTION Y	ORE (R)		
		*********	******				<coil></coil>				
	<capacitoi< td=""><td>R></td><td></td><td></td><td></td><td>L7401</td><td>1-412-911-11</td><td>FERRITF</td><td>0μH</td><td></td><td></td></capacitoi<>	R>				L7401	1-412-911-11	FERRITF	0μH		
CN3301		PLUG, CONNE	CTOR 11P			L7402	1-414-187-11		47μH		
		, , , , <u>, _</u>					<transisto< td=""><td>)R></td><td></td><td></td><td></td></transisto<>)R>			
	<jack></jack>					07404			CC4600 I =	16	
J3301	1-568-807-21	TERMINAL BLO	OCK, (S) 4P	(VIDE	O IN 4)	Q7401 Q7402		TRANSISTOR 2 TRANSISTOR 2			R

ZR ZG

The components identified by shading and mark ∆ are critical for safety. Replace only with part number specified.

PEE NO	PART NO.	DESCRIPTION		Р	EMARK	DEE NO	PART NO.	DESCRIPTION	Ī		EMAR
REF.NU.	PART NO.	DESCRIPTION		K	EMARK	REF.NO.	PARI NO.	DESCRIPTION			EMAR
27403	8-729-120-28	TRANSISTOR 2	SC1623-L5I	16		C7606	1-104-989-91	MYLAR	0.0022µF	10%	200V
Q7404		TRANSISTOR 2			R	C7607	1-107-667-11		2.2µF		160V
27405		TRANSISTOR 2				C7608	1-130-471-00		0.001µF	5%	50V
J/400	0-729-120-20	I KANSIS I UK Z	3C 1023-L3I	LO							
						C7609	1-130-471-00		0.001µF	5%	50V
27406	8-729-119-76	TRANSISTOR 2	SA1175-HF	Έ		C7610	1-163-021-91	CERAMIC CHIP	° 0.01µF	10%	50V
27407	8-729-423-33	TRANSISTOR 2	SC3311A-Q	RSTA	١						
27408	8-729-045-04	TRANSISTOR 2	SC5511			C7611	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
Q7409		TRANSISTOR 2				C7612	1-107-364-11		0.01µF		200V
		TRANSISTOR 2				C7613			100µF		50V
Q7410	0-129-120-20	I RANSIS I UR Z	3C 1023-L3I	LO			1-126-968-11		•		
						C7614	1-126-968-11		100µF		50V
						C7615	1-107-645-11	ELECT	22µF	20%	200V
	<resistor></resistor>	•									
						C7616	1-161-830-00	CERAMIC	0.0047µF		500V
R7401	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W	C7617	1-106-220-00	MYI AR	0.1µF	10%	100V
R7402		METAL CHIP	5.6K		1/10W	C7618	1-106-220-00		0.1µF		100V
R7403		METAL CHIP	10K		1/10W	C7620	1-126-935-11		470µF		6.3V
R7404	1-208-806-11		10K		1/10W	C7621	1-126-960-11	ELECT	1μF	20%	50V
R7405	1-216-475-11	METAL OXIDE	120	5%	3W						
R7406	1-216-073-00	RES-CHIP	10K	5%	1/10W		<connecto< td=""><td>R></td><td></td><td></td><td></td></connecto<>	R>			
R7407	1-249-385-11		2.2	5%	1/4W						
		METAL OXIDE				CNIZEGA	* 1 EG4 E00 11	PLUG. CONNEC	CTOD 6D		
R7408				5%	3W						
R7409	1-216-009-91		22	5%	1/10W	CN7602	* 1-564-509-11	PLUG, CONNEC	CIOR 6P		
R7410	1-216-009-91	RES-CHIP	22	5%	1/10W	CN7603	* 1-564-507-11	PLUG, CONNEC	CTOR 4P		
						CN7604	* 1-564-506-11	PLUG, CONNEC	CTOR 3P		
R7411	1-249-414-11	CARRON	560	5%	1/4W			PLUG. CONNEC			
R7412	1-216-033-00		220	5%	1/10W	0.17.000	1 004 000 11	. 200, 00111121	0101101		
						017000	*4 500 000 44	DIN CONNECT	OD (DO DO		40
R7413	1-216-049-91		1K	5%	1/10W			PIN, CONNECT		ARD)	4P
R7414	1-216-033-00		220	5%	1/10W			PLUG, CONNEC			
R7415	1-216-049-91	RES-CHIP	1K	5%	1/10W			PLUG, CONNECTAB (CONTACT			
R7416	4 046 004 00	DEC CUID	10	5%	1/10W	CIVIOUS	1-030-310-11	IAD (CONTACT	')		
	1-216-001-00										
R7417	1-249-414-11		560	5%	1/4W						
R7418	1-216-001-00	RES-CHIP	10	5%	1/10W		<diode></diode>				
R7419	1-249-415-11	CARBON	680	5%	1/4W						
R7420	1-249-433-11	CARBON	22K	5%	1/4W	D7601 D7602		DIODE MTZJ-13 DIODE MTZJ-13			
R7421	1-249-433-11	CARRON	22K	5%	1/4W	D7602		DIODE 1SS355			
						D/603	0-7 19-900-01	DIODE 199999	16-17		
R7422	1-249-415-11		680	5%	1/4W						
R7423	1-249-417-11	CARBON	1K	5%	1/4W						
R7424	1-249-405-11	CARBON	100	5%	1/4W		<connecto< td=""><td>R></td><td></td><td></td><td></td></connecto<>	R>			
R7425	1-249-385-11	CARBON	2.2	5%	1/4W						
						DY7601	∆1-451-476-21	DEFLECTION Y	OKE (G)		
R7426	1-249-385-11	CARBON	2.2	5%	1/4W						
R7427	1-249-405-11	CARBON	100	5%	1/4W						
R7428		METAL OXIDE	220	5%	3W		<coil></coil>				
R7431	1-216-049-91		1K	5%	1/10W						
R7432			100	5%	1/10W	L7601	1-412-911-11	EEDDITE	0uH		
17432	1-216-025-91	KES-CHIP	100	0%	1/1044	L7601	1-412-911-11		υμπ 47μΗ		
R7433	1-216-009-91	RES-CHIP	22	5%	1/10W	2,002					
R7434	1-216-295-91	SHORT	0	*****	*****		TRANSIOTO	ND-			
					***********		<transisto< td=""><td>PR></td><td></td><td></td><td></td></transisto<>	PR>			
•	A-1391-026-A	ZG BOARD, CO	MPLETE			Q7601	8-729-120-28	TRANSISTOR 2	SC1623-L5	5L6	
		*********	*****			Q7602	8-729-119-76	TRANSISTOR 2	SA1175-HF	FΕ	
						Q7603		TRANSISTOR 2			
						Q7604		TRANSISTOR 2			
	4 200 054 44	CODEW (MOV44) D CM//-								11
	4-382-854-11	SCREW (M3X10	, , ,	•		Q7605	o-729-120-28	TRANSISTOR 2	23-L5	DLO	
			(Q760	B, Q7609)	l					_
						Q7606	8-729-026-49	TRANSISTOR 2	SA1037AK	-T146-	R
	<capacitor< td=""><td>₹></td><td></td><td></td><td></td><td>Q7607</td><td>8-729-120-28</td><td>TRANSISTOR 2</td><td>SC1623-L5</td><td>SL6</td><td></td></capacitor<>	₹>				Q7607	8-729-120-28	TRANSISTOR 2	SC1623-L5	SL6	
						Q7608		TRANSISTOR 2			
07604	1 162 004 04	CEDAMIC CLUB	0.04	100/	E0\/						
C7601		CERAMIC CHIP			50V	Q7609		TRANSISTOR 2			
C7602		CERAMIC CHIP	•	10%	50V	Q7610	8-729-120-28	TRANSISTOR 2	2SC1623-L5	L6	
C7603	1-163-038-91	CERAMIC CHIP	0.1μF		25V						
C7604	1-104-664-11		47µF	20%	16V						
						1					
C7605	1-104-989-91	MYLAR	0.0022µF	10%	200V						

The components identified by shading and mark ∆ are critical for safety.
Replace only with part number specified.

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

ZG ZB

REF.NO.	PART NO.	DESCRIPTION		R	EMARK	REF.NO.	PART NO.	DESCRIPTION	l	R	EMARK
	<resistor:< td=""><td>></td><td></td><td></td><td></td><td>C7815</td><td>1-107-645-11</td><td>ELECT</td><td>22µF</td><td>20%</td><td>200V</td></resistor:<>	>				C7815	1-107-645-11	ELECT	22µF	20%	200V
R7601	1 209 906 11	METAL CHIP	10K	0.5%	1/10W	C7816	1-161-830-00	CEDAMIC	0.0047µF		500V
R7602		METAL CHIP	2.2K		1/10W	C7818	1-126-935-11		470μF	20%	6.3V
R7603		METAL CHIP	5.6K		1/10W	07010	1-120-300-11	LLLOI	47 Ομί	20 /0	0.54
R7604		METAL CHIP	10K		1/10W						
R7605		METAL OXIDE		5%	3W		<connecto< td=""><td>OR></td><td></td><td></td><td></td></connecto<>	OR>			
R7606	1-216-033-00	RES-CHIP	220	5%	1/10W	CN7801	* 1-564-509-11	PLUG, CONNE	CTOR 6P		
R7607	1-216-033-00	RES-CHIP	220	5%	1/10W			PLUG, CONNE			
R7608	1-249-393-11	CARBON	10	5%	1/4W	CN7803	* 1-564-506-11	PLUG, CONNE	CTOR 3P		
R7609	1-216-001-00	RES-CHIP	10	5%	1/10W	CN7804	* 1-580-844-11	PIN, CONNECT	OR (POWE	R)	
R7610	1-249-385-11	CARBON	2.2	5%	1/4W	CN7805	* 1-564-506-11	PLUG, CONNE	CTOR 3P		
R7611			120	5%	3W						
R7612	1-249-414-11		560	5%	1/4W		<diode></diode>				
R7613	1-216-073-00		10K	5%	1/10W	D=004	0.740.004.00		_		
R7614	1-249-414-11		560	5%	1/4W	D7801		DIODE MTZJ-1			
R7615	1-249-415-11	CARBON	680	5%	1/4W	D7802 D7803		DIODE MTZJ-1: DIODE 1SS355			
R7616	1-249-433-11	CAPRON	22K	5%	1/4W	D/003	0-7 19-900-01	DIODE 19999	16-17		
R7617	1-249-433-11		22K	5%	1/4W						
R7618	1-249-415-11		680	5%	1/4W		<connecto< td=""><td>OR></td><td></td><td></td><td></td></connecto<>	OR>			
R7619	1-216-009-91		22	5%	1/10W						
R7620	1-216-009-91	RES-CHIP	22	5%	1/10W	DY7801	∆1-451-476-2 1	DEFLECTION Y	OKE (B)		
R7621	1-249-417-11	CAPRON	1K	5%	1/4W						
R7622	1-216-049-91		1K	5%	1/10W		<coil></coil>				
R7623	1-216-049-91		1K	5%	1/10W		JOUIL				
R7624	1-249-405-11		100	5%	1/4W	L7801	1-412-911-11	FERRITE	0μH		
R7625	1-249-385-11	CARBON	2.2	5%	1/4W	L7802	1-414-187-11		47µH		
R7626	1-249-385-11	CAPRON	2.2	5%	1/4W						
R7627	1-249-405-11		100	5%	1/4W		<transisto< td=""><td>)R></td><td></td><td></td><td></td></transisto<>)R>			
R7628		METAL OXIDE	220	5%	3W		1110 4101011	314			
R7631	1-216-049-91		1K	5%	1/10W	Q7801	8-729-120-28	TRANSISTOR 2	2SC1623-L5	L6	
R7632	1-216-025-91	RES-CHIP	100	5%	1/10W	Q7802		TRANSISTOR 2			
R7633	1-216-009-91	DES CHID	22	5%	1/10W	Q7803 Q7804		TRANSISTOR 2 TRANSISTOR 2			
R7634	1-216-009-91		0	376	1/1044	Q7804 Q7805		TRANSISTOR 2			T.
		******	•	*****	*****	Q7000	0-729-120-20	11041010101012	200 1025-L0	LU	
						Q7806	8-729-026-49	TRANSISTOR 2	2SA1037AK	-T146-	R
,	* A-1391-027-A	A ZB BOARD, CC	MPLETE			Q7807	8-729-120-28	TRANSISTOR 2	2SC1623-L5	L6	
		*****	*****			Q7808	8-729-045-04	TRANSISTOR 2	2SC5511		
						Q7809		TRANSISTOR 2			
	4 000 054 44	000000000000000000000000000000000000000	» – • • • • • •			Q7810	8-729-120-28	TRANSISTOR 2	2SC1623-L5	L6	
	4-382-854-11	SCREW (M3X10			8, Q7809)						
					•		<resistor:< td=""><td>></td><td></td><td></td><td></td></resistor:<>	>			
	<capacito< td=""><td>R></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></capacito<>	R>									
0700	4 400 004 -	OFF.11		4651	501	R7801		METAL CHIP	10K		1/10W
C7801		CERAMIC CHIP		10%		R7802		METAL CHIP	2.2K		1/10W
C7802		CERAMIC CHIP		10%	50V	R7803		METAL CHIP	5.6K		1/10W
C7803 C7804	1-163-038-91	CERAMIC CHIP	' 0.1μ⊢ 47μF	20%	25V 16V	R7804 R7805	1-208-806-11	METAL CHIP	10K 220		1/10W 1/10W
C7804 C7805	1-104-664-11		4/μr 0.0022μF	10%	200V	17,000	1-2 10-033-00	INEO-UNIF	220	5%	1/1000
555			v==µ1	. 0 /0		R7806	1-216-033-00	RES-CHIP	220	5%	1/10W
C7806	1-104-989-91	MYLAR	0.0022µF	10%	200V	R7807		METAL OXIDE	120	5%	3W
C7807	1-107-667-11		2.2µF .	20%	160V	R7808	1-216-001-00		10	5%	1/10W
C7808	1-130-471-00		0.001µF	5%	50V	R7809	1-216-001-00		10	5%	1/10W
C7809	1-130-471-00		0.001µF	5%	50V	R7810	1-249-385-11	CARBON	2.2	5%	1/4W
C7810	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V						
07011	4 400 004 -	OFD41#6 6: ***		4601	50) <i>(</i>	R7811		METAL OXIDE	120	5%	3W
C7811		CERAMIC CHIP		10%		R7812	1-216-073-00		10K	5%	1/10W
C7812	1-107-364-11		0.01µF		200V	R7813	1-249-414-11		560	5%	1/4W
C7813	1-126-968-11		100µF	20%		R7814	1-216-009-91		22 22	5% 5%	1/10W
C7814	1-126-968-11	ELECT	100µF	20%	JUV	R7815	1-216-009-91	NEO-UNIP	44	370	1/10W

ZB CR

The components identified by shading and mark ∆ are critical for safety. Replace only with part number specified.

R7819 1-249-433-11 CARBON 22K 5% 1/4W R7820 1-249-415-11 CARBON 680 5% 1/4W K7821 1-249-417-11 CARBON 1K 5% 1/40W R7823 1-216-049-91 RES-CHIP 1K 5% 1/10W R7823 1-216-049-91 RES-CHIP 1K 5% 1/10W R7823 1-249-405-11 CARBON 100 5% 1/4W R7825 1-249-385-11 CARBON 100 5% 1/4W R7825 1-249-385-11 CARBON 100 5% 1/4W R7825 1-249-385-11 CARBON 100 5% 1/4W R7827 1-249-405-11 CARBON 100 5% 1/4W R7828 1-216-049-91 RES-CHIP 1K 5% 1/10W R7823 1-216-049-91 RES-CHIP 1K 5% 1/10W R7823 1-216-049-91 RES-CHIP 100 5% 1/10W R7833 1-216-049-91 RES-CHIP 100 5% 1/10W R7833 1-216-09-91 RES-CHIP 100 5% 1/10W R7834 1-216-295-91 SHORT 0	DESCRIPTION	N	R	EMARK
R7819 1-249-443-11 CARBON 680 5% 1/4W R7819 1-249-433-11 CARBON 22K 5% 1/4W R7819 1-249-433-11 CARBON 22K 5% 1/4W R7820 1-249-415-11 CARBON 680 5% 1/4W ∠JACK≻ 4/ACK 249-415-11 CARBON 1K 5% 1/4W R7821 1-249-417-11 CARBON 1K 5% 1/4W R7822 1-216-049-91 RES-CHIP 1K 5% 1/10W R7822 1-216-049-91 RES-CHIP 1K 5% 1/10W R7825 1-249-385-11 CARBON 100 5% 1/4W R7825 1-249-365-11 CARBON 100 5% 1/4W R7825 1-249-405-11 CARBON 100 5% 1/4W R7825 1-249-405-11 CARBON 100 5% 1/4W R7825 1-249-405-11 CARBON 100 5% 1/4W R7822 1-216-049-91 RES-CHIP 1K 5% 1/10W R7822 1-216-049-91 RES-CHIP 1K 5% 1/10W R7823 1-216-049-91 RES-CHIP 1K 5% 1/10W R7823 1-216-049-91 RES-CHIP 100 5% 1/10W R7833 1-216-049-91 RES-CHIP 100 5% 1/10W R7833 1-216-09-91 RES-CHIP 100 5% 1/10W NER7833 1-216-09-91 RES-CHIP 100 5% 1/10W NER7834 1-216-009-91 RES-CHIP 100 FR 25W RESISTO 1-107-652-11 ELECT 10µF 20% 25W R7103 1-216-095-01 RES-CHIP 100 1/µF 25W R7105 1-208-010-10 R7101 1-208-010 R7101 1-20				
R7819 1-249-431-11 CARBON 22K 5% 1/4W 77820 1-249-415-11 CARBON 680 5% 1/4W 77820 1-249-417-11 CARBON 1K 5% 1/4W 77822 1-216-049-91 RES-CHIP 1K 5% 1/10W 77822 1-216-049-91 RES-CHIP 1K 5% 1/10W 77822 1-216-049-91 RES-CHIP 1K 5% 1/10W 77822 1-249-385-11 CARBON 0 2.2 5% 1/4W 77825 1-249-385-11 CARBON 0 2.2 5% 1/4W 77825 1-249-385-11 CARBON 0 0 5% 1/4W 77826 1-249-385-11 CARBON 100 5% 1/4W 77826 1-249-385-11 CARBON 100 5% 1/4W 77828 1-216-913-11 METAL CXIDE 20 5% 3W L7103 1-414-181-787828 1-216-949-91 RES-CHIP 100 5% 1/10W 77828 1-216-925-91 RES-CHIP 100 5% 1/10W 77823 1-216-025-91 RES-CHIP 100 5% 1/10W 77823 1-216-025-91 RES-CHIP 100 5% 1/10W 77823 1-216-029-91 RES-CHIP 100 5% 1/10W 77823 1-216-295-91 SHORT 0				
1-249-415-11 CARBON 680 5% 1/4W	33 IC TDA6111Q/N	N4		
\$\times_{\text{R7821}} = \text{1-249-417-11 CARBON} = 1K				
1-249-417-11 CARBON				
17823 1-216-049-91 RES-CHIP 1K 5% 1/10W 17825 1-249-385-11 CARBON 100 5% 1/4W 17825 1-249-385-11 CARBON 2.2 5% 1/4W 17103 1-414-181-17826 1-249-385-11 CARBON 2.2 5% 1/4W 17103 1-414-181-17826 1-249-385-11 CARBON 100 5% 1/4W 17103 1-414-181-17828 1-216-049-91 RES-CHIP 1K 5% 1/10W 17833 1-216-049-91 RES-CHIP 1K 5% 1/10W 17833 1-216-099-91 RES-CHIP 100 5% 1/10W 17833 1-216-099-91 RES-CHIP 22 5% 1/10W 17833 1-216-099-91 RES-CHIP 22 5% 1/10W 1-1616-29-91 RES-CHIP 22 5% 1/10W 1-1616-354-1 RES-CHIP 22 5% 1/10W 1-1616-308-91 CERAMIC 330pF 10% 2KV 27103 1-163-038-91 CERAMIC CHIP 0.1μF 20% 25V 25V 27104 1-126-768-11 ELECT 10μF 20% 25V 25V 27105 1-162-115-00 CERAMIC 330pF 10% 2KV 27105 1-162-115-00 CERAMIC CHIP 0.1μF 25V 25V 27106 1-163-038-91 CERAMIC CHIP 0.1μF 25V 27106 1-163-038-91 CERAMIC CHIP 0.1μF 25V 27106 1-163-038-91 CERAMIC CHIP 0.1μF 20% 50V 27110 1-163-038-91 CERAMIC CHIP 0.1μF 20% 50V 27111 1-161-330-00 CERAMIC 0.0047μF 50V 27111 1-161-330-00 CERAMIC 0.0047μF 50V 27111 1-163-324-11 CERAMIC CHIP 0.1μF 20% 25V 27111 1-163-224-11 CERAMIC CHIP 0.1μF 20% 25V 27111 1-163-324-11 CERAMIC CHIP 0.1μF 20% 25V 27111 1-163-324-11 CERAMIC CHIP 0.1μF 20% 25V 27110 1-208-90-207103 *1-584-512-11 PLUG, CONNECTOR 9P 207103 *1-584-512-11 PLUG, CONNECTOR 9P 207104 1-785-879-11 CONNECTOR 9P 207102 8-719-901-83 DIODE 1SS83 27104 8-719-901-83 DIODE 1SS83 27105 27105 8-719-901-83 DIODE 1SS83 27105 2710				
1-249-405-11 CARBON 100 5% 1/4W 1/4W 1-249-385-11 CARBON 2.2 5% 1/4W	11 SOCKET, PICT	URE TUBE	E	
COIL> CO				
1-249-385-11 CARBON 2.2 5% 1/4W 1/102 1-414-223-17627 1-249-405-11 CARBON 100 5% 1/4W 1/103 1-414-181-17628 1-215-913-11 METAL OXIDE 220 5% 3W 1/10W 1/216-049-91 RES-CHIP 1K 5% 1/10W 1/10W 1/216-025-91 RES-CHIP 100 5% 1/10W 1/10W 1/216-295-91 SHORT 0 1/216-295-				
1-249-405-11 CARBON				
1-215-913-11 METAL OXIDE 220 5% 3W 1-216-049-91 RES-CHIP 1K 5% 1/10W 1/10W 1-216-049-91 RES-CHIP 100 5% 1/10W 1/10W 1-216-099-91 RES-CHIP 100 5% 1/10W 1/10W 1-216-295-91 SHORT 0 1/10W	1 INDUCTOR	470µH		
1-216-049-91 RES-CHIP		4.7µH		
R7832	11 INDUCTOR	47µH		
A-1332-037-A CR BOARD, COMPLETE				
*A-1332-037-A CR BOARD, COMPLETE *A-107-652-11 ELECT *A-107-10 E-20-002- *A-10-10-10-20-50-00 *A-10-20-10-2	MP>			
*A-1332-037-A CR BOARD, COMPLETE *A-1332-037-A CR BOARD, P, SW (+) (IC7101) *CRANSIS *A-1332-037-A CR BOARD, COMPLETE *A-1332-037-A CR BOARD, COMPLETE *A-1332-037-A CR BOARD, P, SW (+) (IC7101) *CRANSIS *A-1332-037-A CR BOARD, COMPLETE *A-102-115-00 CERAMIC *A-382-854-12 1 ELECT *A-102-115-00 CERAMIC *A-102-115-00 CERAMIC *A-102-115-00 CERAMIC *A-102-115-00 CERAMIC *A-102-00-12-12-40-33- *A-7102 1-163-038-91 CERAMIC CHIP 0.1µF *A-103-038-91 CERAMIC CHIP 0.1µF *A-103-038-91 *A-103-038-91 CERAMIC CHIP 0.1µF *A-103-038-91 *A-103-038-91 CERAMIC CHIP 0.1µF *A-103-038-91 *A-103-038-91 CERAMIC CHIP 0.1µF *A-101-1-102-05-00 *A-1102-05-00 *A	M CAD CDADIC			
*A-1332-037-A CR BOARD, COMPLETE ***********************************	•			
*A-1332-037-A CR BOARD, COMPLETE ***********************************	•			
4-382-854-01 SCREW (M3X8), P, SW (+) (IC7101) <capacitor> C7102 1-162-115-00 CERAMIC 330pF 10% 2KV 27103 1-107-652-11 ELECT 10μF 20% 250V 27104 1-126-768-11 ELECT 2200μF 20% 16V 27105 1-162-115-00 CERAMIC 330pF 10% 2KV 27106 1-163-038-91 CERAMIC CHIP 0.1μF 25V 25V 27101 1-163-038-91 CERAMIC CHIP 0.1μF 25V 27110 1-163-038-91 CERAMIC CHIP 0.1μF 25V 27110 1-102-050-00 CERAMIC 0.01μF 99% 500V 27111 1-161-830-00 CERAMIC 0.0047μF 500V 27111 1-163-224-11 CERAMIC CHIP 7pF 0.25pF 50V 27111 1-163-224-11 CERAMIC CHIP 7pF 0.25pF 50V 27111 1-163-224-11 CERAMIC CHIP 0.1μF 10% 25V 27111 1-163-224-11 CERAMIC CHIP 0.1μF 10% 25V 27111 1-208-801-27111 1-163-224-11 CERAMIC CHIP 0.1μF 10% 25V 27111 1-208-801-27111 1-163-224-11 CERAMIC CHIP 0.1μF 10% 25V 27110 1-208-801-27111 1-163-224-11 CERAMIC CHIP 0.1μF 10% 25V 27110 1-208-801-27118 1-164-004-11 CERAMIC CHIP 0.1μF 10% 25V 27110 1-208-801-27118 1-164-004-11 CERAMIC CHIP 0.1μF 10% 25V 27111 1-216-033-27118 1-164-510-11 PLUG, CONNECTOR 9P 27110 1-208-790-27110 1-208-790-27110 1-208-790-27110 1-208-790-27110 1-208-790-27110 1-260-918-27110 1-260-0918-27110 1-260-</capacitor>	21 GAP, SPARK 21 GAP, SPARK			
<capacitor> Q7101 8-729-026-07102 1-162-115-00 CERAMIC 330pF 10% 2KV Q7104 8-729-026-07103 8-729-026-07103 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 907104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 907104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07102 8-719-901-83 DIODE 1SS83 97104 8-729-026-07102 250V R7101 8-729-026-07102 R7101 1-260-132-07102 R7101 1-260-132-07102 R7102 1-249-389-07102 R7103 1-216-295-07102 R7105 1-216-132-07102 R7105 1-201-132-07102 R7105 1-201-132-07102 R7105 1-201-132-07102 R7105 1-201-132-07102 R7111 1-20</capacitor>	1 GAP, SPARK			
<capacitor> Q7101 8-729-026-07102 1-162-115-00 CERAMIC 330pF 10% 2KV Q7104 8-729-026-07103 8-729-026-07103 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 907104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 907104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07104 8-729-026-07102 8-719-901-83 DIODE 1SS83 97104 8-729-026-07102 250V R7101 8-729-026-07102 R7101 1-260-132-07102 R7101 1-260-132-07102 R7102 1-249-389-07102 R7103 1-216-295-07102 R7105 1-216-132-07102 R7105 1-201-132-07102 R7105 1-201-132-07102 R7105 1-201-132-07102 R7105 1-201-132-07102 R7111 1-20</capacitor>	ΓOR>			
Q7103 8-729-255- Q7104 8-729-026- Q7103 1-107-652-11 ELECT 10μF 20% 250V Q7104 1-126-768-11 ELECT 2200μF 20% 16V Q7105 1-162-115-00 CERAMIC 330pF 10% 2KV Q7106 1-163-038-91 CERAMIC CHIP 0.1μF 25V Q7107 1-163-038-91 CERAMIC CHIP 0.1μF 25V Q7108 1-126-967-11 ELECT 47μF 20% 500V Q7109 1-163-038-91 CERAMIC CHIP 0.1μF 25V Q7101 1-163-038-91 CERAMIC CHIP 0.1μF 25V Q7102 1-163-038-91 CERAMIC CHIP 0.1μF 25V Q7103 8-729-026- Q7104 8-729-026- Q7105 8-719-901-83 DIODE 1SS83 Q7104 8-719-901-83 DIODE 1SS83 Q7105 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.00000 0.000000 0.00000000		00440074	Z T 4 40	_
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1-107-652-11 ELECT 10μF 20% 250V 27104 1-126-768-11 ELECT 2200μF 20% 16V 27105 1-162-115-00 CERAMIC 330pF 10% 2KV 25V 25V 27107 1-163-038-91 CERAMIC CHIP 0.1μF 25V 25V 27108 1-126-967-11 ELECT 47μF 20% 50V 27101 1-260-132-27110 1-102-050-00 CERAMIC 0.01μF 99% 500V 27105 1-260-117-27111 1-161-830-00 CERAMIC CHIP 7pF 0.25pF 50V 27112 1-163-224-11 CERAMIC CHIP 7pF 0.25pF 50V 27118 1-164-004-11 CERAMIC CHIP 0.1μF 10% 25V 25V 27110 1-208-801-27118 1-164-004-11 CERAMIC CHIP 0.1μF 10% 25V 25V 27110 1-208-808-27118 1-164-004-11 CERAMIC CHIP 0.1μF 10% 25V 25V 27107 1-208-808-27110 1-208-790-27118 1-260-033-4 27110 1-260-	12 TRANSISTOR 2			P
1-126-768-11 ELECT 2200μF 20% 16V 27105 1-162-115-00 CERAMIC 330pF 10% 2KV 25V 27106 1-163-038-91 CERAMIC CHIP 0.1μF 25V 25V 27107 1-163-038-91 CERAMIC CHIP 0.1μF 25V 27108 1-126-967-11 ELECT 47μF 20% 50V 27103 1-216-295-4 27111 1-161-830-00 CERAMIC 0.01μF 99% 500V 27105 1-260-117-27111 1-161-830-00 CERAMIC 0.0047μF 500V 27105 1-260-117-27112 1-163-224-11 CERAMIC CHIP 7pF 0.25pF 50V 27106 1-219-743-27118 1-164-004-11 CERAMIC CHIP 0.1μF 10% 25V 25V 27108 1-208-808-27118 1-164-004-11 CERAMIC CHIP 0.1μF 10% 25V 25V 27107 1-208-808-27110 1-260-133-27111 1-260-033-428-27110 1-264-512-11 PLUG, CONNECTOR 27111 1-266-512-11 PLUG, CONNECTOR 27111 1-266-60-27111 1-264-512-11 PLUG, CONNECTOR 27111 1-266-60-27111 1-269-915-11 1-260-093-271111 1-260-093-271111 1-260-093-27111 1-260-093-271111 1-260-09	is invalidation.	20A 1001A	IX-1 1 -1 0-	1
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1-126-967-11 ELECT 47μF 20% 50V 77103 1-216-295-67110 1-102-050-00 CERAMIC 0.01μF 99% 500V 77111 1-161-830-00 CERAMIC 0.0047μF 500V 77112 1-163-224-11 CERAMIC CHIP 7pF 0.25pF 50V 77116 1-107-957-11 ELECT 1μF 20% 250V 77118 1-164-004-11 CERAMIC CHIP 0.1μF 10% 25V 77109 1-208-808-7111 1-216-033-4 77100 *1-564-512-11 PLUG, CONNECTOR 9P 77110 *1-564-512-11 PLUG, CONNECTOR 9P 77110 *1-564-512-11 PLUG, CONNECTOR 9P 77110 *1-26-660-77103 *1-564-512-11 PLUG, CONNECTOR 9P 77110 *1-216-295-6 77107 1-695-915-11 TAB (CONTACT) 77110 *1-260-093-77110 1-208-782-77110 *1-216-295-6 77104 8-719-901-83 DIODE 1SS83 77104 8-719-901-83 DIODE 1SS83 77105 8-719-901-		560K	5%	1/2W
C7110		4.7	5%	1/4W
C7111 1-161-830-00 CERAMIC 0.0047µF 500V C7112 1-163-224-11 CERAMIC CHIP 7pF 0.25pF 50V C7116 1-107-957-11 ELECT 1µF 20% 250V C7118 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C7118 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C7110 1-208-808-7110 1-208-808-7111 1-216-0334 CCONNECTOR> CONNECTOR> CN7101 *1-564-512-11 PLUG, CONNECTOR 9P CN7102 *1-564-512-11 PLUG, CONNECTOR 7P CN7103 *1-564-512-11 PLUG, CONNECTOR 9P CN7104 1-785-879-11 CONNECTOR, ONE TOUCH CN7107 1-695-915-11 TAB (CONTACT) CDIODE> CD100E 8-719-921-86 DIODE MTZJ-13 CD100E 8-719-901-83 DIODE 1SS83 CD7104 8-719-901-83 DIODE 1SS83 CD7105 8-719-901-83 DIODE 1SS83 CD7105 8-719-901-83 DIODE 1SS83 CD7105 8-719-901-83 DIODE 1SS83 CD100E 1SS83 CD7105 8-719-901-83 DIODE 1SS83 CD100E 1SS83		0	E0/	4 (0) 4 (
C7112 1-163-224-11 CERAMIC CHIP 7pF 0.25pF 50V R7107 1-208-801- C7116 1-107-957-11 ELECT 1μF 20% 250V R7108 1-260-133- C7118 1-164-004-11 CERAMIC CHIP 0.1μF 10% 25V R7109 1-208-808- R7110 1-208-790- R7111 1-216-033-4 CCONNECTOR> CN7101 *1-564-512-11 PLUG, CONNECTOR 9P R7112 1-249-424- CN7102 *1-564-512-11 PLUG, CONNECTOR 7P R7114 1-216-660- CN7103 *1-564-512-11 PLUG, CONNECTOR 9P R7115 1-208-782- CN7104 1-785-879-11 CONNECTOR, ONE TOUCH R7116 1-215-929- CN7107 1-695-915-11 TAB (CONTACT) CDIODE> CDIODE> R7112 1-249-424- R7113 1-216-295- R7114 1-216-095- R7115 1-208-782- R7116 1-215-929- R7117 1-260-093- R7118 1-260-093- R7119 1-260-099- R7120 1-216-081- R7121 1-216-025- R7110 1-216-025- R7111 1-260-093- R7112 1-216-025- R7113 1-216-025- R7114 1-216-025- R7115 1-208-801- R7116 1-216-025- R7117 1-260-093- R7118 1-260-093- R7119 1-260-093- R7119 1-260-093- R7110 1-216-025- R7111 1-216-025- R7111 1-216-025- R7112 1-216-025- R7113 1-216-025- R7114 1-216-025- R7115 1-208-780- R7117 1-216-025- R7117 1-260-093- R7118 1-260-093- R7119 1-260-093- R7119 1-216-025- R7119 1-216-025- R7110 1-216-025- R7110 1-216-025- R7111 1-216-025- R7111 1-216-025- R7112 1-216-025- R7113 1-216-025- R7113 1-216-025- R7113 1-216-025- R7114 1-216-03- R7115 1-208-801- R7116 1-216-03- R7117 1-208-801- R7117 1-208-801- R7118 1-208-780- R7119 1-216-03- R7119 1-260-03- R7119 1-216-03- R7110 1-216-03- R7111 1-216-03- R7111 1-216-03- R7112 1-216-03- R7112 1-216-03- R7113 1-216-03		33K 100	5% 5%	1/2W 1/2W
C7116 1-107-957-11 ELECT 1μF 20% 250V R7108 1-260-133- C7118 1-164-004-11 CERAMIC CHIP 0.1μF 10% 25V R7109 1-208-808- R7110 1-208-790- R7111 1-216-033-4 <connector> R7112 1-249-424- CN7101 *1-564-512-11 PLUG, CONNECTOR 9P R7113 1-216-295-4 CN7102 *1-564-510-11 PLUG, CONNECTOR 7P R7114 1-216-660- CN7103 *1-564-512-11 PLUG, CONNECTOR 9P R7115 1-208-782- CN7104 1-785-879-11 CONNECTOR, ONE TOUCH R7116 1-215-929- CN7107 1-695-915-11 TAB (CONTACT) CDIODE> R7117 1-260-093- R7118 1-260-099- R7119 1-260-099- R7110 1-216-025-0 R7111 1-216-025-0 R7112 1-216-025-0 R7113 1-216-025-0 R7114 1-216-025-0 R7115 1-208-782- R7116 1-216-025-0 R7117 1-260-093- R7118 1-260-093- R7119 1-260-093- R7119 1-260-093- R7110 1-216-025-0 R7111 1-216-025-0 R7112 1-216-025-0 R7113 1-216-025-0 R7114 1-216-025-0 R7115 1-208-782- R7116 1-216-025-0 R7117 1-260-093- R7118 1-260-093- R7119 1-260-093- R7119 1-260-093- R7119 1-260-093- R7110 1-216-025-0 R7111 1-216-025-0 R7112 1-216-025-0 R7113 1-216-025-0 R7113 1-216-025-0 R7113 1-216-025-0 R7114 1-216-033-0 R7115 1-208-782-0 R7115 1-208-782-0 R7115 1-216-025-0 R7116 1-216-025-0 R7117 1-260-033-0 R7118 1-260-093- R7118 1-260-093- R7119 1-260-093- R7119 1-260-093- R7119 1-260-093- R7110 1-208-790- R7110 1-208-790- R7110 1-208-790- R7111 1-216-033-0 R7112 1-249-424- R7113 1-216-025-0 R7</connector>	IT CARBON	100	5%	1/200
C7118 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V R7109 1-208-808-R7110 1-208-790-R7111 1-216-033-4	11 METAL CHIP	6.2K	0.5%	1/10W
CONNECTOR> CONNECTOR> R7110 1-208-790-R7111 1-216-033-4 R7111 1-216-033-4 R7111 1-249-424-R7111 1-264-512-11 PLUG, CONNECTOR 9P R7113 1-216-295-4 CN7102 *1-564-510-11 PLUG, CONNECTOR 7P R7114 1-216-660-R7103 *1-564-512-11 PLUG, CONNECTOR 9P R7115 1-208-782-CN7104 1-785-879-11 CONNECTOR, ONE TOUCH R7116 1-215-929-CN7107 1-695-915-11 TAB (CONTACT) R7117 1-260-093-R7118 1-260-093-R7118 1-260-099-R7120 1-216-081-R7120 1-216-	11 CARBON	680K	5%	1/2W
CONNECTOR> CN7101 *1-564-512-11 PLUG, CONNECTOR 9P CN7102 *1-564-512-11 PLUG, CONNECTOR 7P CN7103 *1-564-512-11 PLUG, CONNECTOR 7P CN7103 *1-564-512-11 PLUG, CONNECTOR 9P CN7104 1-785-879-11 CONNECTOR, ONE TOUCH CN7107 1-695-915-11 TAB (CONTACT) CDIODE> CDIODE> CDIODE> R7111 1-216-033-4 R7112 1-249-424- R7113 1-216-265-4 R7114 1-216-266-4 R7115 1-208-782-4 R7116 1-215-929-4 R7117 1-260-093-4 R7118 1-260-093-4 R7119 1-260-099-4 R7120 1-216-081-4 R7120 1-216-025-4 R7103 8-719-901-83 DIODE 1SS83 R7104 8-719-901-83 DIODE 1SS83 R7105 8-719-901-83 DIODE 1SS83 R7105 8-719-901-83 DIODE 1SS83 R7107 1-216-073-4 R7111 1-216-033-4 R7112 1-249-424- R7113 1-216-295-4 R7115 1-269-695-4 R7116 1-215-605-4 R7117 1-260-093-4 R7118 1-260-093-4 R7119 1-260-093-4 R7119 1-260-093-4 R7119 1-260-093-4 R7119 1-260-093-4 R7110 1-216-093-4 R7111 1-216-093-4 R7112 1-216-093-4 R7117 1-260-093-4 R7117 1-260-093-4 R7118 1-260-093-4 R7119 1-260-	11 METAL CHIP	12K		1/10W
<connector> R7112 1-249-424- CN7101 * 1-564-512-11 PLUG, CONNECTOR 9P R7113 1-216-295-4 CN7102 * 1-564-510-11 PLUG, CONNECTOR 7P R7114 1-216-660- CN7103 * 1-564-512-11 PLUG, CONNECTOR 9P R7115 1-208-782- CN7104 1-785-879-11 CONNECTOR, ONE TOUCH R7116 1-215-929- CN7107 1-695-915-11 TAB (CONTACT) R7117 1-260-093- R7118 1-260-087- R7119 1-260-098- R7102 8-719-921-86 DIODE MTZJ-13 R7120 1-216-025-0 D7103 8-719-901-83 DIODE 1SS83 R7123 1-216-025-0 D7104 8-719-901-83 DIODE 1SS83 R7123 1-216-025-0 D7105 8-719-901-83 DIODE 1SS83 R7124 1-216-073-0</connector>	11 METAL CHIP	2.2K		1/10W
R7112 1-249-424- CN7101 *1-564-512-11 PLUG, CONNECTOR 9P R7113 1-216-295-8 CN7102 *1-564-510-11 PLUG, CONNECTOR 7P R7114 1-216-660-8 CN7103 *1-564-512-11 PLUG, CONNECTOR 9P R7115 1-208-782-8 CN7104 1-785-879-11 CONNECTOR, ONE TOUCH R7116 1-215-929-8 CN7107 1-695-915-11 TAB (CONTACT) CONTROL CONTACT R7117 R7117 R7118 R7120 R7119 R7120 R71	00 RES-CHIP	220	5%	1/10W
CN7102 * 1-564-510-11 PLUG, CONNECTOR 7P CN7103 * 1-564-512-11 PLUG, CONNECTOR 9P CN7104 1-785-879-11 CONNECTOR, ONE TOUCH CN7107 1-695-915-11 TAB (CONTACT) CN7107 CN710	11 CARBON	3.9K	5%	1/4W
CN7103 *1-564-512-11 PLUG, CONNECTOR 9P CN7104 1-785-879-11 CONNECTOR, ONE TOUCH CN7107 1-695-915-11 TAB (CONTACT) R7117 1-260-093- R7118 1-260-097- R7119 1-260-099- R71102 8-719-921-86 DIODE MTZJ-13 R7103 8-719-901-83 DIODE 1SS83 R7104 8-719-901-83 DIODE 1SS83 R7105 8-719-901-83 DIODE 1SS83 R7107 1-216-025- R7117 1-260-093- R7118 1-260-093- R7119 1-260-093- R7120 1-216-025- R7121 1-216-025- R7122 1-216-025- R7123 1-216-295- R7124 1-216-073-	1 SHORT	0		
CN7104 1-785-879-11 CONNECTOR, ONE TOUCH CN7107 1-695-915-11 TAB (CONTACT) R7117 1-260-093- R7118 1-260-097- R7119 1-260-099- R7110 1-216-081- R7120 1-216-081- R7120 1-216-025-0 R7120 1-216-025-0 R7121 1-216-025-0 R7122 1-216-025-0 R7123 1-216-025-0 R7123 1-216-025-0 R7124 1-216-073-0 R7124 1-216-073-0 R7125-929-0 R7126-093-0 R7126-093-0 R7127 1-260-093-0 R7128 1-260-093-0 R7129 1-260-093-0 R7117 1-260-093-0 R7118 1-260-093-0 R7119 1-260-093-0 R7120 1-216-013-0 R7120 1-216-013-0 R7120 1-216-013-0 R7120 1-216-013-0 R7120 1-260-093-0 R7120 1-216-013-0 R7120 1-260-093-0 R7120 1-260-0	11 METAL CHIP	2.4K	0.5%	1/10W
CN7107 1-695-915-11 TAB (CONTACT) R7117 1-260-093- R7118 1-260-097- R7119 1-260-099- R7120 1-216-091- R7120 1-216-091- R7120 1-216-025-0 R7120 8-719-901-83 DIODE 1SS83 R7124 1-216-073-0 R7127 1-260-093- R7128 1-260-093- R7129 1-260-093- R7120	11 METAL CHIP	1K		1/10W
R7117 1-260-093- R7118 1-260-087- R7119 1-260-099- R7120 1-216-081- R7120 1-216-025-0 R7120 1-216-025-0 R7121 1-216-025-0 R7122 1-216-025-0 R7123 1-216-025-0 R7123 1-216-025-0 R7105 8-719-901-83 DIODE 1SS83 R7124 1-216-073-0	11 METAL OXIDE	100K	5%	3W
<diode> R7119 1-260-099- R7120 1-216-081- D7102 8-719-921-86 DIODE MTZJ-13 R7122 1-216-025- D7103 8-719-901-83 DIODE 1SS83 R7123 1-216-025- D7104 8-719-901-83 DIODE 1SS83 R7123 1-216-025- D7105 8-719-901-83 DIODE 1SS83 R7124 1-216-073-</diode>	11 CARBON	330	5%	1/2W
R7120 1-216-081-1 07102 8-719-921-86 DIODE MTZJ-13 R7122 1-216-025-4 07103 8-719-901-83 DIODE 1SS83 07104 8-719-901-83 DIODE 1SS83 R7123 1-216-295-4 07105 8-719-901-83 DIODE 1SS83 R7124 1-216-073-4	11 CARBON	100	5%	1/2W
D7102 8-719-921-86 DIODE MTZJ-13 R7122 1-216-025-0 D7103 8-719-901-83 DIODE 1SS83 R7123 1-216-025-0 D7104 8-719-901-83 DIODE 1SS83 R7123 1-216-025-0 D7105 8-719-901-83 DIODE 1SS83 R7124 1-216-073-0	1 CARBON	1K	5%	1/2W
07103 8-719-901-83 DIODE 1SS83 07104 8-719-901-83 DIODE 1SS83 R7123 1-216-295-4 07105 8-719-901-83 DIODE 1SS83 R7124 1-216-073-4	00 RES-CHIP	22K	5%	1/10W
07104 8-719-901-83 DIODE 1SS83 R7123 1-216-295- 07105 8-719-901-83 DIODE 1SS83 R7124 1-216-073-	1 RES-CHIP	100	5%	1/10W
D7105 8-719-901-83 DIODE 1SS83 R7124 1-216-073-0	4 0UODT	•		
		0	F0/	4/4014
	00 RES-CHIP	10K	5%	1/10W
	11 METAL CHIP	33K		1/10W
	11 CARBON 00 RES-CHIP	1K 6.8K	5% 5%	1/4W
07108 8-719-988-61 DIODE 1553551E-17 R7130 1-216-069-0	NEG-UNIP	U.OR	376	1/10W
	1 RES-CHIP	1K	5%	1/10W
R7132 1-216-295-		0	O 70	1, 1044

The components identified by shading and mark ∆ are critical for safety.
Replace only with part number specified.



REF.NO.	PART NO.	DESCRIPTION	1	R	EMARK	REF.NO.	PART NO.	DESCRIPTION		R	EMARK
R7133		METAL CHIP	150K		1/10W		<jack></jack>				
R7134 R7135	1-216-049-91 1-216-053-00		1K 1.5K	5% 5%	1/10W 1/10W	J7201 🛭	\ 1_251_182_41	SOCKET, PICTU	IRE TI IRE		
K/ 133	1-2 10-055-00	KES-CHIP	1.01	370	1/1044	3/201 4	1-231-102 -4 1	SOCKET, FIGTO	OKE TOBE		
	<spark gai<="" td=""><td>P></td><td></td><td></td><td></td><td></td><td><coil></coil></td><td></td><td></td><td></td><td></td></spark>	P>					<coil></coil>				
SG7101	1-519-422-11	GAP, SPARK				L7201	1-414-223-11	INDUCTOR	470µH		
		GAP, SPARK				L7203	1-414-181-11	INDUCTOR	4.7µH		
						L7204	1-414-187-11	INDUCTOR	47μH		
	<test pin=""></test>						ANTON I AM	D.			
TP7102	* 1-535-881-21	TERMINAL, TP	(AUTO INS	ERTIO	N)		<neon lam<="" td=""><td>-></td><td></td><td></td><td></td></neon>	- >			
TP7105	* 1-535-881-21	TERMINAL, TP	(AUTO INS	ERTIO	N)	NL7201		GAP, SPARK			
						NL7202 NL7203		GAP, SPARK GAP, SPARK			
,	* A-1332-038-A	CG BOARD, C				NL7204		GAP, SPARK			
		******				NL7205	1-5/6-354-21	GAP, SPARK			
	4-382-854-01	SCREW (M3X8), P, SW (+)	(IC720)1)		<transisto< td=""><td>OR></td><td></td><td></td><td></td></transisto<>	OR>			
	<capacitoi< td=""><td>₹></td><td></td><td></td><td></td><td>Q7201</td><td></td><td>TRANSISTOR 2</td><td></td><td></td><td></td></capacitoi<>	₹>				Q7201		TRANSISTOR 2			
C7202	1-162-115-00	CEDAMIC	330pF	10%	2K\/	Q7202 Q7203		TRANSISTOR 2: TRANSISTOR 2:		T146-I	R
C7203	1-102-113-00		2200µF	20%		Q/203	0-129-200-12	. 11041010101010	302331-0		
C7204	1-107-652-11		10µF	20%	250V		-DEGISTOR				
C7205 C7206		CERAMIC CHIR			25V 25V		<resistor:< td=""><td>></td><td></td><td></td><td></td></resistor:<>	>			
						R7201	1-260-132-11		560K	5%	1/2W
C7207 C7208	1-162-115-00 1-126-967-11		330pF 47μF	10% 20%		R7202 R7203	1-216-295-91	SHORT METAL CHIP	0 470K	ი 5%	1/10W
C7209	1-102-050-00		7/μι 0.01μF		500V	R7204	1-219-743-11		100	5%	1/2W
C7211	1-161-830-00		0.0047µF	0.05-	500V	R7205	1-260-117-11	CARBON	33K	5%	1/2W
C7212	1-163-091-00	CERAMIC CHIF	2 8b⊢	0.25p	F 50V	R7206	1-208-801-11	METAL CHIP	6.2K	0.5%	1/10W
C7213		CERAMIC CHIE		0.25p		R7207	1-208-808-11	METAL CHIP	12K		1/10W
C7214 C7216	1-126-964-11 1-107-957-11		10µF 1µF	20%	50V 250V	R7208 R7209	1-216-033-00 1-260-133-11		220 680K	5% 5%	1/10W 1/2W
0/210	1-107-937-11	ELECT	iμr	20 /6	2500	R7210		METAL CHIP	2.2K		1/20V 1/10W
	<connecto< td=""><td>NP .</td><td></td><td></td><td></td><td>R7211</td><td>1-249-424-11</td><td>CARRON</td><td>3.9K</td><td>5%</td><td>1/4W</td></connecto<>	NP .				R7211	1-249-424-11	CARRON	3.9K	5%	1/4W
	CONNECTO	JK-				R7211		METAL CHIP	2K		1/4VV 1/10W
		PLUG, CONNE				R7213			100K	5%	3W
		PLUG, CONNE PLUG, CONNE				R7214 R7215	1-216-295-91	SHORT METAL CHIP	0 1K	n 5%	1/10W
		PLUG, CONNE				107210	1 200 702 11	MEI/Æ OI III		0.070	,,,,,,,,
CN7205	1-785-879-11	CONNECTOR,	ONE TOUC	H		R7216	1-260-093-11		330	5%	1/2W
CN7208	1-695-915-11	TAB (CONTAC	T)			R7217 R7218	1-216-295-91 1-260-099-11		0 1K	5%	1/2W
			- 7			R7219	1-216-295-91	SHORT	0		
	<diode></diode>					R7220	1-216-025-91	RES-CHIP	100	5%	1/10W
	DIODE					R7222	1-216-295-91	SHORT	0		
D7202		DIODE MTZJ-1	3			R7223		METAL CHIP	6.8K		1/10W
D7203 D7204		DIODE 1SS83 DIODE 1SS83				R7224 R7225	1-206-799-11	METAL CHIP RES-CHIP	5.1K 22K	0.5% 5%	1/10W 1/10W
D7205	8-719-901-83	DIODE 1SS83				R7229	1-249-417-11		1K	5%	1/4W
D7206	8-719-901-83	DIODE 1SS83				R7235	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
D7208	8-719-988-61	DIODE 1SS355	TE-17			117200	1-210-000-00			J /0	7, 1011
	<ic></ic>						<spark gai<="" td=""><td>P></td><td></td><td></td><td></td></spark>	P>			
								GAP, SPARK			
IC7201	8-759-360-83	IC TDA6111Q/N	14			SG7203	1-519-422-11	GAP, SPARK			

CG CB

The components identified by shading and mark △ are critical for safety.

Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION		R	EMARK	REF.NO.	PART NO.	DESCRIPTION		R	EMARK
	<test pin=""></test>						<coil></coil>				
TP7202	* 1-535-881-21	TERMINAL, TP	(AUTO INS	ERTIC	N)	L7301	1-414-223-11	INDUCTOR	470µH		
		TERMINAL, TP				L7303	1-414-181-11	INDUCTOR	4.7µH		
*****	******	******	******	*****	*****	L7304	1-414-187-11	INDUCTOR	47µH		
	* A-1332-039-A	CB BOARD, CO									
		**********	******				<neon lam<="" td=""><td>P></td><td></td><td></td><td></td></neon>	P>			
	4 000 054 04	000514/(40)/0)	D 014/(1)	(1070)	343	NL7301		GAP, SPARK			
	4-382-854-01	SCREW (M3X8)	, P, SW (+)	(10730	(וינ	NL7302 NL7303		GAP, SPARK GAP, SPARK			
	<capacitor< td=""><td>₹></td><td></td><td></td><td></td><td>NL7304</td><td>1-576-354-21</td><td>GAP, SPARK</td><td></td><td></td><td></td></capacitor<>	₹>				NL7304	1-576-354-21	GAP, SPARK			
C7302	1-162-115-00	CERAMIC	330pF	10%	2KV	NL7305	1-5/6-354-21	GAP, SPARK			
C7303	1-162-115-00		330pF		2KV						
C7304	1-126-768-11		2200µF	20%	16V		<transisto< td=""><td>OR></td><td></td><td></td><td></td></transisto<>	OR>			
C7305 C7306		CERAMIC CHIP CERAMIC CHIP	•		25V 25V	Q7301	8-729-026-49	TRANSISTOR 2	2SA1037AK	_T146_I	2
07000	1-100-000-01	OLI VAIVIIO OI III	0. грг		201	Q7301		TRANSISTOR 2			
C7307	1-107-652-11		10μF	20%	250V	Q7303	8-729-255-12	TRANSISTOR 2	2SC2551-O		
27308	1-126-967-11		47µF		50V	Q7305		TRANSISTOR 2			_
C7309 C7311	1-163-085-00	CERAMIC CHIP	′2p ⊦ 0.01µF	0.25p	F 50V 500V	Q7306	8-729-026-49	TRANSISTOR 2	2SA1037AK	- 146-	₹
C7312	1-161-830-00		0.0047µF	33 /0	500V						
			•				<resistor></resistor>	•			
C7313		CERAMIC CHIP	•	0.25p		D7004	4 040 740 44	CARRON	400	E0/	4 (0) 14
C7314 C7315	1-126-964-11 1-126-960-11		10μF 1μF		50V 50V	R7301 R7302	1-219-743-11 1-260-132-11		100 560K	5% 5%	1/2W 1/2W
C7318	1-107-957-11		1μF		250V	R7304	1-216-295-91		0	070	1/244
			•			R7306	1-260-099-11		1K	5%	1/2W
	<connecto< td=""><td>IR></td><td></td><td></td><td></td><td>R7307</td><td>1-208-801-11</td><td>METAL CHIP</td><td>6.2K</td><td>0.5%</td><td>1/10W</td></connecto<>	IR>				R7307	1-208-801-11	METAL CHIP	6.2K	0.5%	1/10W
						R7308	1-260-133-11	CARBON	680K	5%	1/2W
		PLUG, CONNEC				R7309		METAL CHIP	2.2K	0.5%	1/10W
		PLUG, CONNEC				R7310 R7311	1-216-295-91	SHORT METAL CHIP	0 12K	0.50/	1/10W
		CONNECTOR,		н		R7311		METAL CHIP	12K 2.4K		1/10W
		TAB (CONTACT									
						R7313	1-216-033-00		220	5% 5%	1/10W
	<diode></diode>					R7314 R7315	1-249-424-11 1-216-295-91		3.9K 0	5%	1/4W
	'DIODL'					R7316		METAL OXIDE	100K	5%	3W
D7302		DIODE MTZJ-13	3			R7317	1-260-093-11	CARBON	330	5%	1/2W
D7303		DIODE 18883				D7040	4 040 005 04	CHORT	•		
D7304 D7305		DIODE 1SS83 DIODE 1SS83				R7318 R7319	1-216-295-91	METAL CHIP	0 4.7K	0.5%	1/10W
D7306		DIODE 18883				R7320	1-260-087-11		100	5%	1/2W
						R7321	1-260-117-11		33K	5%	1/2W
D7307		DIODE 1SS355				R7322	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
D7308 D7309		DIODE MTZJ-13 DIODE 1SS355				R7323	1-216-025-91	DES_CHID	100	5%	1/10W
D7311		DIODE MTZJ-13				R7324	1-216-295-91		0	J /0	1/1044
D7312		DIODE MTZJ-13				R7326		METAL CHIP	7.5K		1/10W
						R7327		METAL CHIP	4.7K		1/10W
	<ic></ic>					R7328	1-216-073-00	RES-CHIP	10K	5%	1/10W
	10-					R7329	1-216-091-00	RES-CHIP	56K	5%	1/10W
C7301	8-759-360-83	IC TDA6111Q/N	4			R7330	1-216-081-00	RES-CHIP	22K	5%	1/10W
						R7331	1-216-055-00		1.8K	5%	1/10W
	< IACK>					R7332	1-216-081-00 1-249-417-11		22K	5% 5%	1/10W
	<jack></jack>					R7335	1-2 48-4 17-11	CARDUN	1K	5%	1/4W
J 73 01 🛭	1-251-182-4 1 1	SOCKET, PICTU	JRE TUBE			R7336	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
						1					

CB B3

									<u> </u>		
REF.NO.	PART NO.	DESCRIPTION		R	EMARK	REF.NO.	PART NO.	DESCRIPTION		R	EMARK
	<spark gai<="" td=""><td>P></td><td></td><td></td><td></td><td>C505</td><td>1-124-779-00</td><td>ELECT CHIP</td><td>10µF</td><td>20%</td><td>16V</td></spark>	P>				C505	1-124-779-00	ELECT CHIP	10µF	20%	16V
						C507	1-124-779-00	ELECT CHIP	10µF	20%	16V
SG7301	1-519-422-11	GAP, SPARK				C509	1-163-021-91	CERAMIC CHIP		10%	
SG7303	1-519-422-11	GAP, SPARK				C510	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
						C511		CERAMIC CHIP			25V
	<test pin=""></test>					C512		CERAMIC CHIP		10%	
TDT 000		TED. 40.44 TD	/ALITO INIOE			C514		CERAMIC CHIP		10%	25V
		TERMINAL, TP				C515		CERAMIC CHIP	•		50V
		TERMINAL, TP				C516	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
						C517		CERAMIC CHIP		10%	
	*A-1136-08 <i>1-P</i>	B3 BOARD, CO				C518		ELECT CHIP	•	20%	16V
						C519 C520		CERAMIC CHIP	•		25V 25V
	<capacitor< td=""><td>₹></td><td></td><td></td><td></td><td>C520</td><td></td><td>CERAMIC CHIP</td><td>•</td><td>10%</td><td></td></capacitor<>	₹>				C520		CERAMIC CHIP	•	10%	
						CEOO	4 462 020 04	CERAMIC CUID	0.4		051/
C302	1_117.126 14	ELECT CHIP	10µF	200/	6.3V	C522 C523		CERAMIC CHIP	•	10%	25V 50V
C302		CERAMIC CHIP		∠∪70	6.3V 25V	C523		ELECT CHIP		20%	16V
C306		CERAMIC CHIP			25V 25V	C524		ELECT CHIP		20% 20%	16V 16V
C309		CERAMIC CHIP	•		25V	C526		CERAMIC CHIP		10%	50V
C310		CERAMIC CHIP			25V	0020	1 100 02 1 0 1	02.0 40 0	0.0 .µ.	.0,0	001
						C527		CERAMIC CHIP	•	10%	25V
C312		CERAMIC CHIP		5%	50V	C528		CERAMIC CHIP	•	10%	50V
C313		CERAMIC CHIP		400/	25V	C530	1-216-295-91		0		
C314		CERAMIC CHIP		10%		C532	1-216-295-91		0		
C315 C316		CERAMIC CHIP		5%	50V 25V	C534	1-216-295-91	SHORT	0		
C310	1-103-030-91	CERAIVIC CHIP	υ. ιμπ		237	C538	1_163_021_91	CERAMIC CHIP	0.01uF	10%	50V
C317	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V	C539		ELECT CHIP		20%	16V
C318		ELECT CHIP	•		16V	C540		CERAMIC CHIP	•	10%	50V
C319		ELECT CHIP	•		16V	C542		ELECT CHIP		20%	16V
C320		CERAMIC CHIP	0.01µF	10%	50V	C543		CERAMIC CHIP	0.01µF	10%	50V
C321	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	0545	1 100 000 11	=======================================		000/	400.4
0000	4 462 024 04	CEDAMIC CUID	0.04	400/	E0\/	C545		ELECT CHIP		20%	16V
C323 C324		CERAMIC CHIP		10% 10%	50V 50V	C546 C548		CERAMIC CHIP		10% 10%	50V 50V
C325		CERAMIC CHIP		10%		C549		ELECT CHIP	•	20%	16V
C327		CERAMIC CHIP	•	10 /0	25V	C550		CERAMIC CHIP		10%	
C330		CERAMIC CHIP	•		25V		. 100 02 1 0 1	02.0 0	о.о., р.	.0,0	
						C551		CERAMIC CHIP		10%	50V
C331		CERAMIC CHIP	•		25V	C554		CERAMIC CHIP		10%	
C332		CERAMIC CHIP	-	10%	50V	C555		CERAMIC CHIP		2007	25V
C333	1-216-295-91		0		25\/	C556		ELECT CHIP			6.3V
C337 C338		CERAMIC CHIP	•		25V 25V	C557	1-103-021-91	CERAMIC CHIP	υ.υ ιμΓ	10%	307
			• **			C559	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C339	1-163-038-91	CERAMIC CHIP	0.1µF		25V	C560	1-163-021-91	CERAMIC CHIP		10%	50V
C340	1-163-038-91	CERAMIC CHIP			25V	C601		ELECT CHIP		20%	16V
C341		CERAMIC CHIP		10%		C602		ELECT CHIP	•		16V
C346		CERAMIC CHIP	•		25V	C603	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C347	1-163-021-91	CERAMIC CHIP	υ.01μF	10%	50V	C604	1_163_021_04	CERAMIC CHIP	0.01=	10%	50\/
C349	1_163_021_01	CERAMIC CHIP	0.010=	10%	50V	C604		CERAMIC CHIP			50V 50V
C350		ELECT CHIP		20%	16V	C606		CERAMIC CHIP		10%	
C353		ELECT CHIP		20%	16V	C607		CERAMIC CHIP		10%	
C354		ELECT CHIP	•		6.3V	C608		CERAMIC CHIP	•	10%	
C355		ELECT CHIP	•		6.3V				·		
0001	4 404	EI EOT 0: ""	40 =	0001	40) (C609		CERAMIC CHIP		10%	50V
C361		ELECT CHIP		20%	16V	C610		CERAMIC CHIP		10%	
C362		CERAMIC CHIP		10%	50V	C611		CERAMIC CHIP		10%	
C363		CERAMIC CHIP		10%	50V	C612		CERAMIC CHIP		10%	
C501 C502		CERAMIC CHIP ELECT CHIP	•	10% 20%	50V 16V	C613	1-103-021-91	CERAMIC CHIP	υ.υ ιμΓ	10%	υV
J002	1-12-115-00	LLLOI OI III	ισμι	∠ ∪ /0	104	C614	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C503	1-124-779-00	ELECT CHIP	10µF	20%	16V	C615		CERAMIC CHIP		10%	
			•						•		

REF.NO.	PART NO.	DESCRIPTION	R	EMARK	REF.NO.	PART NO.	DESCRIPTION		R	EMARK
C616	1_126_396_11	ELECT CHIP 47uF	20%	16V	C835	1_163_038_91	CERAMIC CHIP	0 1uF		25V
C617		CERAMIC CHIP 0.1µF	2070	25V	C837		CERAMIC CHIP	•	10%	50V
C618		CERAMIC CHIP 0.1µF		25V	0001	1-100-021-01	OLIVANIO OI III	0.0 τμι	1070	001
0010	1 100 000 01	OLIVANIO OTIII OTIAI			C839	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C619	1-163-038-91	CERAMIC CHIP 0.1µF		25V	C840		ELECT CHIP	100µF		6.3V
C620		CERAMIC CHIP 0.01µF	10%		C841		CERAMIC CHIP	•		50V
C621		CERAMIC CHIP 0.01µF		50V	C842		CERAMIC CHIP			50V
C622		CERAMIC CHIP 0.01µF		50V	C843		CERAMIC CHIP			50V
C623	1-163-021-91	CERAMIC CHIP 0.01µF	10%	50V				•		
					C844	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C624	1-163-021-91	CERAMIC CHIP 0.01µF		50V	C848	1-163-017-00	CERAMIC CHIP	0.0047µF	10%	50V
C625	1-163-021-91	CERAMIC CHIP 0.01µF		50V	C849		CERAMIC CHIP		10%	50V
C626		CERAMIC CHIP 0.01µF		50V	C850		CERAMIC CHIP			50V
C627		CERAMIC CHIP 0.01µF		50V	C851	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C628	1-163-021-91	CERAMIC CHIP 0.01µF	10%	50V						
					C852		CERAMIC CHIP			50V
C629		CERAMIC CHIP 0.01µF		50V	C853		CERAMIC CHIP		10%	50V
C630		CERAMIC CHIP 0.01µF		50V	C854		CERAMIC CHIP			25V
C631		CERAMIC CHIP 0.01µF		50V	C901		CERAMIC CHIP	•		25V
C632		ELECT CHIP 100µF CERAMIC CHIP 0.01µF		6.3V 50V	C902	1-163-038-91	CERAMIC CHIP	υ.1μ-		25V
C633	1-103-021-91	CERAMIC CHIP 0.01µF	10%	5UV	C903	1 162 021 01	CERAMIC CHIP	0.01	100/	50V
C634	1_163_021_01	CERAMIC CHIP 0.01µF	10%	50V	C904		ELECT CHIP	0.01μF 10μF		16V
C635		CERAMIC CHIP 0.01µF		50V	C905		CERAMIC CHIP	•		10V
C636		CERAMIC CHIP 0.01µF		50V	C906		ELECT CHIP	10μF		16V
C637		CERAMIC CHIP 0.01µF		50V	C907		CERAMIC CHIP	•		50V
C638		CERAMIC CHIP 0.01µF		50V	0001	1 100 021 01	OLIV WING OF III	0.0 τμι	1070	001
		о	,		C908	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C639	1-163-021-91	CERAMIC CHIP 0.01µF	10%	50V	C909		ELECT CHIP	47µĖ	20%	16V
C640	1-163-021-91	CERAMIC CHIP 0.01µF	10%	50V	C910	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V
C642	1-163-021-91	CERAMIC CHIP 0.01µF	10%	50V	C913	1-163-031-11	CERAMIC CHIP	0.01µF		50V
C643	1-163-021-91	CERAMIC CHIP 0.01µF	10%	50V	C914	1-126-394-11	ELECT CHIP	10μĖ	20%	16V
C644	1-126-398-11	ELECT CHIP 4.7µF	20%	35V				-		
					C950		CERAMIC CHIP	•		50V
C645		CERAMIC CHIP 0.01µF		50V	C954	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C801		ELECT CHIP 10µF		16V						
C802		CERAMIC CHIP 0.01µF		50V			_			
C803		ELECT CHIP 10µF		16V		<connecto< td=""><td>DR></td><td></td><td></td><td></td></connecto<>	DR>			
C804	1-124-779-00	ELECT CHIP 10µF	20%	16V	011500	4 005 000 44	OONINECTOR I	00 4 DD TO	DO 4 F	D 50D
0000	4 460 004 04	CERANIC CLUB O 04E	400/	E0\ /	CN502	1-695-302-11	CONNECTOR, I	SOARD TO	BOAR	KD 50P
C806		CERAMIC CHIP 0.01µF		50V						
C807 C808		ELECT CHIP 10µF CERAMIC CHIP 0.01µF		16V 50V		<diode></diode>				
C809		CERAMIC CHIP 0.01µF		50V 50V		\DIODE>				
C810		CERAMIC CHIP 0.01µF		50V	D301	8_710_041_07	DIODE MA113-	TY)		
0010	1-100-021-91	OLIVAVIIO OTIII 0.01pi	1070	00 v	D302		DIODE MA113-			
C811	1-163-021-91	CERAMIC CHIP 0.01uF	10%	50V	D501		DIODE MA8039			
C812		CERAMIC CHIP 0.01µF		50V	D601		DIODE MA111-			
C813		CERAMIC CHIP 0.01µF		50V	500.	0 1 10 010 01	DIODE III (III (110).00		
C814		CERAMIC CHIP 0.01µF		50V						
C815		CERAMIC CHIP 0.01µF		50V		<ferritbea< td=""><td>ND></td><td></td><td></td><td></td></ferritbea<>	ND>			
00.0		02.0 um 0.0 ip.	1070				_			
C816	1-163-021-91	CERAMIC CHIP 0.01µF	10%	50V	FB501	1-414-813-11	FERRITE	0µH		
C817		CERAMIC CHIP 12pF	5%	50V	FB502	1-414-813-11		0μH		
C818	1-163-229-11	CERAMIC CHIP 12pF	5%	50V	FB503	1-414-813-11	FERRITE	0µH		
C819	1-163-021-91	CERAMIC CHIP 0.01µF	10%	50V	FB504	1-414-813-11	FERRITE	0μH		
C820	1-163-021-91	CERAMIC CHIP 0.01µF	10%	50V	FB601	1-414-553-11	FERRITE	0μH		
		•						•		
C821		CERAMIC CHIP 0.01µF		50V	FB801	1-414-553-11		0μΗ		
C822		CERAMIC CHIP 0.01µF		50V	FB802	1-414-553-11	FERRITE	0μΗ		
C823		CERAMIC CHIP 0.01µF		50V						
C824		CERAMIC CHIP 0.01µF		50V						
C825	1-163-021-91	CERAMIC CHIP 0.01µF	10%	50V		<filter></filter>				
0007	4 400 004 51	OFDALUO CUID COA T	4001							
C827		CERAMIC CHIP 0.01µF	10%		FL304		FILTER, CHIP E			
C827 C829 C834	1-163-021-91	CERAMIC CHIP 0.01µF CERAMIC CHIP 0.01µF CERAMIC CHIP 0.1µF		50V 50V 25V	FL304 FL305 FL306	1-234-177-21	FILTER, CHIP E FILTER, CHIP E FILTER, CHIP E	MI		

B3

								L	
REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	N	R	EMARK
FL501	1_233_877_11	FILTER, LOW PASS			<coil></coil>				
FL502		FILTER, LOW PASS			400IL				
		,		L302	1-412-029-11	INDUCTOR CH	IIP	10µH	
FL503	1-233-504-21	FILTER, LOW PASS		L303	1-412-029-11	INDUCTOR CH	IIP	10µH	
FL504		FILTER, CHIP EMI		L501		INDUCTOR CH		1µH	
FL505		FILTER, CHIP EMI		L502		INDUCTOR CH		1µH	
FL506 FL508		FILTER, CHIP EMI		L503	1-412-026-11	INDUCTOR CH	IIP	1µH	
FLOUG	1-234-177-21	FILTER, CHIP EMI		L504	1_412_026_11	INDUCTOR CH	IID	1µH	
FL509	1-234-177-21	FILTER, CHIP EMI		L505		INDUCTOR CH		10µH	
FL510		FILTER, CHIP EMI		L506		INDUCTOR CH		1µH	
FL511		FILTER, CHIP EMI		L508		INDUCTOR CH		10µH	
FL512		FILTER, CHIP EMI		L509	1-412-029-11	INDUCTOR CH	IIP	10µH	
FL601	1-234-177-21	FILTER, CHIP EMI			4 440 000 44				
EL 600	4 004 477 04	FILTED CLUD FMI		L511		INDUCTOR CH		1μH	
FL602 FL603		FILTER, CHIP EMI FILTER, CHIP EMI		L512 L604		INDUCTOR CH		1μΗ 10μΗ	
FL606		FILTER, CHIP EMI		L605		INDUCTOR CH		10μH	
FL801		FILTER, CHIP EMI		2000	1-412-020-11	INDOO TOTO		ιομιι	
FL802		FILTER, CHIP EMI							
					<transisto< td=""><td>OR></td><td></td><td></td><td></td></transisto<>	OR>			
FL803	1-234-177-21	FILTER, CHIP EMI							
FL804		FILTER, CHIP EMI		Q301		TRANSISTOR:			
FL805		FILTER, CHIP EMI		Q302		TRANSISTOR			
FL806		FILTER, CHIP EMI		Q303		TRANSISTOR :		L6	
FL807	1-234-177-21	FILTER, CHIP EMI		Q501 Q502		TRANSISTOR :		1 6	
FL808	1-234-177-21	FILTER, CHIP EMI		Q302	0-729-120-20	TIVANOIOTOIX.	200 1020-L	LU	
FL810		FILTER, CHIP EMI		Q503	8-729-120-28	TRANSISTOR	2SC1623-L5	L6	
FL901		FILTER, LOW PASS		Q510		TRANSISTOR :			
FL902	1-233-876-11	FILTER, LOW PASS		Q511	8-729-120-28	TRANSISTOR :	2SC1623-L5	L6	
FL903	1-233-876-11	FILTER, LOW PASS		Q512		TRANSISTOR:			
=1.004	4 004 4== 04			Q516	8-729-120-28	TRANSISTOR	2SC1623-L5	L6	
FL904		FILTER, CHIP EMI		0547	0 700 400 00	TRANSISTOR	2004622 6	16	
FL905 FL906		FILTER, CHIP EMI FILTER, CHIP EMI		Q517 Q518		TRANSISTOR :		LO	
FL907		FILTER, CHIP EMI		Q519		TRANSISTOR			
1 2001	1 204 117 21	TIETER, OTHER EINI		Q520		TRANSISTOR			
				Q521		TRANSISTOR :			
	<ic></ic>								
				Q522		TRANSISTOR:			
IC302		IC CXD2303AQ		Q523		TRANSISTOR			
IC303		' IC CXA3266Q-T6		Q524		TRANSISTOR :			
IC309 IC311		IC TC7SET04F(TE85R) IC NJM78L05A		Q601 Q602		TRANSISTOR :			
IC501		IC TLC5733AIPM		QUUZ	0-129-120-20	TRANSISTOR.	230 1023-Li	LO	
10001	0.0000	10 1200100 11 11		Q901	8-729-216-22	TRANSISTOR :	2SA1162-G		
IC504	8-759-669-78	IC TLC2933IPWR-12		Q902		TRANSISTOR :			
IC505	8-759-640-16	IC TC7SET04F(TE85R)		Q903	8-729-216-22	TRANSISTOR:	2SA1162-G		
IC506	8-759-640-16	IC TC7SET04F(TE85R)		Q904		TRANSISTOR :	•	,	
IC601		IC CXD2090Q		Q905	8-729-028-28	TRANSISTOR	2SK2036(TE	85L)	
IC602	8-759-665-38	IC MB81F161622C-80FN		0000	4 004 000 44	TRANSISTOR	DT0444EK4		
IC603	0 750 660 75	IC TLC2932IPWR		Q906		TRANSISTOR :		`	
IC603		IC CXA1875AM-T4		Q907 Q908		TRANSISTOR			
IC801		C CXD9509AQ		Q909		TRANSISTOR			
IC802		IC MB81F643242B-10FN		4000	0.202.022				
IC803		IC PST9120NL							
					<resistor:< td=""><td>•</td><td></td><td></td><td></td></resistor:<>	•			
IC901		IC CXD2309Q-T6							
IC902		IC MB94918RPF-G124-BND		R302	1-216-013-00		33	5%	1/10W
IC903		IC M24C04-WMN6T		R303		METAL CHIP	4.7K		1/10W
IC904	o-/59-349-11	IC PST9145NL		R305	1-216-049-91		1K	5% 0.5%	1/10W
				R306 R309	1-208-789-11	METAL CHIP RES-CHIP	2K 22	0.5% 5%	1/10W 1/10W
				1,000	1-210-000-81			J /U	., 1044
				R310	1-216-009-91	RES-CHIP	22	5%	1/10W
				I					

REF.NO.	PART NO.	DESCRIPTION	N	R	EMARK	REF.NO.	PART NO.	DESCRIPTION	ı	R	EMARK
D044	4 040 000 04	DE0 0111D		=0/	4/4004/	D==4	4 000 750 44	METAL OLUB		0.50/	4/4014/
R311	1-216-009-91		22	5%	1/10W	R551		METAL CHIP	82		1/10W
R313	1-216-009-91		22	5%	1/10W	R552		METAL CHIP	47	0.5%	1/10W
R316	1-216-009-91		22	5%	1/10W	R553	1-216-295-91	SHORT	0		
R318	1-216-009-91	RES-CHIP	22	5%	1/10W	R554	1-209-750-11	METAL CHIP	47	0.5%	1/10W
R319	1-216-049-91	DES-CHID	1K	5%	1/10W	R555	1-216-077-91		15K	5%	1/10W
R321	1-216-009-91		22	5%	1/10W	R557	1-216-049-91		16K	5%	1/10W
R323	1-216-009-91		22	5%	1/10W	R558	1-216-025-91		100	5%	1/10W
R324	1-216-009-91		22	5%	1/10W	R559	1-216-023-31		15K	5%	1/10W
R325	1-216-073-00		10K	5%	1/10W	11000	1-210-077-01	I LO OI III	1010	070	171011
			1011	0,0	.,	R560	1-208-750-11	METAL CHIP	47	0.5%	1/10W
R328	1-216-025-91	RES-CHIP	100	5%	1/10W	R561	1-216-043-91		560	5%	1/10W
R330	1-216-037-00		330	5%	1/10W	R562	1-216-043-91		560	5%	1/10W
R331	1-216-033-00	RES-CHIP	220	5%	1/10W	R563	1-216-043-91	RES-CHIP	560	5%	1/10W
R332	1-216-037-00		330	5%	1/10W	R571	1-216-295-91		0		
R333	1-216-295-91		0								
						R572	1-208-750-11	METAL CHIP	47	0.5%	1/10W
R335	1-216-013-00	RES-CHIP	33	5%	1/10W	R573	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R336	1-216-013-00	RES-CHIP	33	5%	1/10W	R574	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R337	1-216-097-91	RES-CHIP	100K	5%	1/10W	R575	1-208-756-11	METAL CHIP	82	0.5%	1/10W
R338	1-216-295-91		0			R576	1-208-756-11	METAL CHIP	82	0.5%	1/10W
R339	1-216-295-91	SHORT	0								
						R577		METAL CHIP	47		1/10W
R347	1-216-295-91		0			R578		METAL CHIP	47		1/10W
R350	1-216-295-91		0			R579	1-216-077-91		15K	5%	1/10W
R501	1-216-025-91		100	5%	1/10W	R580	1-216-295-91		0		
R502	1-216-025-91		100	5%	1/10W	R582	1-216-041-00	RES-CHIP	470	5%	1/10W
R503	1-216-295-91	SHORT	0			D=0.4		DEC 01.11D	4=0	=0/	4440044
			_			R584	1-216-041-00		470	5%	1/10W
R504	1-216-295-91		0			R594	1-216-041-00		470	5%	1/10W
R505	1-216-295-91		0	=0/	4/4004/	R596	1-216-049-91		1K	5%	1/10W
R506	1-216-009-91		22	5%	1/10W	R597	1-216-073-00		10K	5%	1/10W
R507	1-216-009-91		22	5%	1/10W	R598	1-216-025-91	RES-CHIP	100	5%	1/10W
R508	1-216-025-91	RES-CHIP	100	5%	1/10W	R600	1-216-066-00	DEC CUID	E 4V	5%	1/10W
R509	1-216-025-91	DEC CUID	100	5%	1/10W	R601	1-216-073-00		5.1K 10K	5% 5%	1/10W
R510	1-216-023-91		560	5%	1/10W	R602	1-216-073-00		10K 10K	5% 5%	1/10W
R510	1-216-043-91		560	5%	1/10W	R603	1-216-073-00		10K 10K	5% 5%	1/10W
R512	1-216-043-91		560	5%	1/10W	R604	1-216-033-00		220	5% 5%	1/10W
R512	1-216-043-91		560	5% 5%	1/10W	1004	1-210-033-00	RES-CHIP	220	376	171044
1010	1-210-040-01	INEO-OI III	300	370	171044	R605	1-216-295-91	SHORT	0		
R514	1-216-043-91	RES-CHIP	560	5%	1/10W	R608	1-216-295-91		Ŏ		
R515	1-216-043-91		560	5%	1/10W	R609	1-216-073-00		10K	5%	1/10W
R516	1-216-049-91		1K	5%	1/10W	R610	1-216-033-00		220	5%	1/10W
R517	1-216-049-91		1K	5%	1/10W	R611	1-216-073-00		10K	5%	1/10W
R518	1-216-295-91		0	0,0	1,1011	1.011	1 210 070 00	TALO OTTO	1010	0,0	17.1011
			•			R612	1-216-073-00	RES-CHIP	10K	5%	1/10W
R520	1-208-776-11	METAL CHIP	560	0.5%	1/10W	R613	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R521	1-216-295-91	SHORT	0			R615	1-216-089-91	RES-CHIP	47K	5%	1/10W
R523		METAL CHIP	560	0.5%	1/10W	R616	1-216-073-00		10K	5%	1/10W
R524	1-216-295-91	SHORT	0			R617	1-216-295-91	SHORT	0		
R526	1-208-776-11	METAL CHIP	560	0.5%	1/10W						
						R619	1-216-073-00	RES-CHIP	10K	5%	1/10W
R528	1-216-037-00	RES-CHIP	330	5%	1/10W	R621	1-216-295-91	SHORT	0		
R529	1-208-800-11	METAL CHIP	5.6K	0.5%	1/10W	R622	1-216-295-91	SHORT	0		
R530	1-208-800-11	METAL CHIP	5.6K	0.5%	1/10W	R623	1-216-295-91		0		
R531	1-216-031-00		180	5%	1/10W	R624	1-216-295-91	SHORT	0		
R532	1-208-800-11	METAL CHIP	5.6K	0.5%	1/10W	l			_		
			400		444	R625	1-216-295-91		0		4 4
R533	1-216-031-00		180	5%	1/10W	R626	1-216-073-00		10K	5%	1/10W
R536	1-216-057-00		2.2K	5%	1/10W	R628	1-216-295-91		0		
R537		METAL CHIP	2.2K		1/10W	R629	1-216-073-00		10K	5%	1/10W
	1_216_040_01	RES-CHIP	1K	5%	1/10W	R631	1-216-295-91	SHORT	0		
						•					
		METAL CHIP	47	0.5%	1/10W				_		
R548	1-208-750-11					R634	1-216-295-91		0		
R540 R548 R549 R550	1-208-750-11 1-208-750-11	METAL CHIP METAL CHIP METAL CHIP	47 47 82	0.5%	1/10W 1/10W 1/10W	R634 R635 R638	1-216-295-91 1-216-295-91 1-216-295-91	SHORT	0 0 0		

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REF.NO.	PART NO.	DESCRIPTION	1	R	EMARK	REF.NO.	PART NO.	DESCRIPTION		R	EMARK
R639	1-216-017-91		47	5%	1/10W	R814	1-216-073-00	RES-CHIP	10K	5%	1/10W
R640	1-216-009-91	RES-CHIP	22	5%	1/10W	R815	1-216-073-00	DES-CHID	10K	5%	1/10W
R642	1-216-295-91	SHORT	0			R816	1-216-073-00		10K	5% 5%	1/10W
R643	1-216-295-91		Ö			R817		METAL CHIP			1/10W
R645	1-216-295-91	SHORT	Ō			R819	1-216-295-91		0		
R651	1-216-295-91	SHORT	0			R820	1-216-295-91	SHORT	0		
R653	1-216-025-91	RES-CHIP	100	5%	1/10W						
D054	4 040 000 00	DE0 0111D		=0/	4/40144	R823	1-216-073-00			5%	1/10W
R654	1-216-033-00		220	5%	1/10W	R824	1-216-073-00		10K	5%	1/10W
R655 R657	1-216-295-91 1-216-009-91		0 22	5%	1/10W	R825 R826		METAL CHIP METAL CHIP			1/10W 1/10W
R658	1-216-009-91		1K	5%	1/10W	R827		METAL CHIP			1/10W
R659	1-216-025-91		100	5%	1/10W	11027	1-210-007-11	WILL IAL OI III		0.070	171011
						R834	1-208-760-11	METAL CHIP	120	0.5%	1/10W
R660	1-216-025-91	RES-CHIP	100	5%	1/10W	R835		METAL CHIP			1/10W
R661	1-216-025-91		100	5%	1/10W	R836	1-211-960-11	METAL CHIP	22	0.5%	1/10W
R664	1-216-009-91	RES-CHIP	22	5%	1/10W	R838	1-216-295-91	SHORT	0		
R665	1-216-035-00		270	5%	1/10W	R840	1-216-295-91	SHORT	0		
R666	1-216-646-11	METAL CHIP	620	0.5%	1/10W						
D007	4 000 704 44	METAL OLUB	0.017	0.50/	4/4004/	R844	1-216-009-91			5%	1/10W
R667		METAL CHIP	3.3K		1/10W	R845	1-216-009-91			5% 5%	1/10W
R668 R670	1-216-009-91 1-216-295-91		22 0	5%	1/10W	R846 R847	1-216-009-91 1-216-009-91			5% 5%	1/10W 1/10W
R670 R671	1-216-293-91		10K	5%	1/10W	R848	1-216-009-91			5% 5%	1/10W
R672	1-216-073-00		10K	5%	1/10W	11040	1-210-003-31	INEO-OI III	22	J /0	17 10 44
11072	1 210 070 00	TALO OTTO	1010	0,0	1, 1011	R849	1-216-009-91	RES-CHIP	22	5%	1/10W
R673	1-216-073-00	RES-CHIP	10K	5%	1/10W	R850	1-216-009-91			5%	1/10W
R674	1-216-073-00		10K	5%	1/10W	R851	1-216-009-91	RES-CHIP		5%	1/10W
R675	1-216-073-00	RES-CHIP	10K	5%	1/10W	R852	1-216-009-91	RES-CHIP	22	5%	1/10W
R676	1-216-073-00	RES-CHIP	10K	5%	1/10W	R853	1-216-009-91	RES-CHIP	22	5%	1/10W
R677	1-216-073-00	RES-CHIP	10K	5%	1/10W						
	4 040 000 00		4014	=0/	4440044	R854	1-216-009-91			5%	1/10W
R678	1-216-073-00		10K	5%	1/10W	R855	1-216-009-91			5%	1/10W
R679 R680	1-216-073-00 1-216-073-00		10K 10K	5% 5%	1/10W 1/10W	R856 R857	1-216-009-91 1-216-009-91			5% 5%	1/10W 1/10W
R681	1-216-073-00		10K 10K	5%	1/10W	R858	1-216-009-91			5% 5%	1/10W
R682	1-216-073-00		10K	5%	1/10W	11000	1-210-003-31	INEO-OI III	22	J /0	17 10 44
INOUL	121007000	TALO OTTO	1010	0,0	1,1011	R859	1-216-009-91	RES-CHIP	22	5%	1/10W
R683	1-216-073-00	RES-CHIP	10K	5%	1/10W	R860	1-216-009-91			5%	1/10W
R684	1-216-073-00	RES-CHIP	10K	5%	1/10W	R861	1-216-009-91	RES-CHIP		5%	1/10W
R685	1-216-073-00	RES-CHIP	10K	5%	1/10W	R862	1-216-009-91	RES-CHIP	22	5%	1/10W
R686	1-216-073-00		10K	5%	1/10W	R863	1-216-009-91	RES-CHIP	22	5%	1/10W
R687	1-216-295-91	SHORT	0								
D000	4 040 004 00	DEC CLUB	0.014	50 /	4/4004/	R864	1-216-009-91			5%	1/10W
R688	1-216-061-00		3.3K	5% 5%	1/10W	R865	1-216-009-91 1-216-009-91		22	5%	1/10W
R689 R690	1-216-057-00 1-216-295-91		2.2K 0	5%	1/10W	R866 R867	1-216-009-91		22 22	5% 5%	1/10W 1/10W
R691	1-216-293-91		3.3K	5%	1/10W	R868	1-216-009-91			5% 5%	1/10W
R692	1-216-057-00		2.2K	5%	1/10W	11000	1-210-003-31	TALO-OTTII	~~	J /0	1/1044
. 1.002				-,-		R869	1-216-009-91	RES-CHIP	22	5%	1/10W
R693	1-216-009-91	RES-CHIP	22	5%	1/10W	R870	1-216-009-91			5%	1/10W
R694	1-216-295-91	SHORT	0			R871	1-216-009-91	RES-CHIP	22	5%	1/10W
R695	1-216-047-91	RES-CHIP	820	5%	1/10W	R872	1-216-009-91	RES-CHIP		5%	1/10W
R696	1-216-049-91		1K	5%	1/10W	R873	1-216-009-91	RES-CHIP	22	5%	1/10W
R697	1-216-117-00	RES-CHIP	680K	5%	1/10W						4440044
Deon	4 046 447 00	DEC OUID	00017	E0/	4/40\4/	R874	1-216-009-91			5% 5%	1/10W
R698	1-216-117-00		680K	5%	1/10W	R875	1-216-009-91			5% 5%	1/10W
R699 R801	1-216-295-91 1-216-009-91		0 22	5%	1/10W	R876 R877	1-216-009-91 1-216-009-91			5% 5%	1/10W 1/10W
R802	1-216-009-91		22 22	5% 5%	1/10W	R878	1-216-009-91			5% 5%	1/10W
R804	1-216-003-91		10K	5%	1/10W		. 2.0-000-01	01 111		J /U	.,
						R879	1-216-009-91	RES-CHIP	22	5%	1/10W
R806	1-208-806-11	METAL CHIP	10K	0.5%	1/10W	R880	1-216-009-91			5%	1/10W
R807	1-208-768-11	METAL CHIP	270	0.5%	1/10W	R881	1-216-009-91	RES-CHIP	22	5%	1/10W
R812	1-216-073-00		10K	5%	1/10W	R882	1-216-009-91			5%	1/10W
R813	1-216-295-91	SHORT	0			R883	1-216-009-91	RES-CHIP	22	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION	N	R	EMARK	REF.NO.	PART NO.	DESCRIPTION	1	R	EMAR
R884	1-216-009-91	RES-CHIP	22	5%	1/10W	R958	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R885	1-216-009-91		22	5%	1/10W	R959		METAL CHIP	220		1/10W
R886	1-216-009-91		22	5%	1/10W	R960		METAL CHIP	220		1/10W
R887	1-216-009-91		22	5%	1/10W	R961		METAL CHIP	220		1/10W
R888	1-216-009-91		22	5%	1/10W	1,001	1 210 000 11	ME II LE OI III		0.070	.,
						R962	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R889	1-216-009-91	RES-CHIP	22	5%	1/10W	R979	1-216-295-91		0		
R890	1-216-009-91		22	5%	1/10W	R981	1-216-037-00		330	5%	1/10W
R891	1-216-009-91	RES-CHIP	22	5%	1/10W	R982	1-216-037-00	RES-CHIP	330	5%	1/10W
R892	1-216-009-91	RES-CHIP	22	5%	1/10W	R983	1-216-089-91	RES-CHIP	47K	5%	1/10W
R893	1-216-009-91	RES-CHIP	22	5%	1/10W						
						R984	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R894	1-216-009-91	RES-CHIP	22	5%	1/10W	R985	1-216-113-00	RES-CHIP	470K	5%	1/10W
R895	1-216-009-91	RES-CHIP	22	5%	1/10W	R986	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R896	1-216-009-91	RES-CHIP	22	5%	1/10W	R987	1-216-049-91	RES-CHIP	1K	5%	1/10W
R897	1-216-009-91	RES-CHIP	22	5%	1/10W	R988	1-216-033-00	RES-CHIP	220	5%	1/10W
R898	1-216-009-91	RES-CHIP	22	5%	1/10W						
						R989	1-216-081-00		22K	5%	1/10W
₹899	1-216-073-00	RES-CHIP	10K	5%	1/10W	R990	1-216-113-00	RES-CHIP	470K	5%	1/10W
R901	1-216-061-00		3.3K	5%	1/10W	R991	1-216-295-91		0		
R902		METAL CHIP	2.2K		1/10W	R993	1-216-089-91		47K	5%	1/10W
R903		METAL CHIP	3.3K		1/10W	R994	1-216-033-00	RES-CHIP	220	5%	1/10W
R904	1-216-635-11	METAL CHIP	220	0.5%	1/10W						
						R995	1-216-033-00		220	5%	1/10W
R905		METAL CHIP	220		1/10W	R996	1-216-037-00		330	5%	1/10W
R906		METAL CHIP	220		1/10W	R997	1-216-037-00		330	5%	1/10W
R907		METAL CHIP	220		1/10W	R998	1-216-073-00		10K	5%	1/10W
R908		METAL CHIP	220		1/10W	R2801	1-208-760-11	METAL CHIP	120	0.5%	1/10W
R909	1-216-635-11	METAL CHIP	220	0.5%	1/10W						
						R2802		METAL CHIP	68		1/10W
R910	1-216-049-91		1K	5%	1/10W	R2803		METAL CHIP	10		1/10W
R911	1-216-049-91		1K	5%	1/10W	R2804		METAL CHIP	100		1/10W
R912	1-216-049-91		1K	5%	1/10W	R2805		METAL CHIP	68		1/10W
R914	1-216-065-91		4.7K	5%	1/10W	R2806	1-211-960-11	METAL CHIP	22	0.5%	1/10W
R916	1-216-065-91	RES-CHIP	4.7K	5%	1/10W				_		
						R2809	1-216-295-91		0		
R923	1-216-057-00		2.2K	5%	1/10W	R2810	1-216-295-91		0		
R926	1-216-057-00		2.2K	5%	1/10W	R2813	1-216-295-91		0		
R927	1-216-295-91		0	50 /	4/40\4/	R2815	1-216-295-91		0		
R929	1-216-025-91		100	5%	1/10W	R2817	1-216-295-91	SHORT	0		
₹930	1-216-025-91	RES-CHIP	100	5%	1/10W	D0040	4 046 005 04	CHODT	•		
0004	4 040 044 00	DEC OUID	470	E0/	4/40\4/	R2818	1-216-295-91		0		
R931	1-216-041-00		470 400	5%	1/10W	R2820	1-216-295-91 1-216-295-91		0 0		
R933	1-216-025-91		100	5%	1/10W	R2822	1-210-295-91	SHORT	U		
R934	1-216-025-91		100	5%	1/10W						
R935 R936	1-216-073-00		10K	5%	1/10W		<network< td=""><td>DECICEODS</td><td></td><td></td><td></td></network<>	DECICEODS			
1930	1-216-041-00	KES-CHIP	470	5%	1/10W		-NETWORK	RESISTOR>			
2027	1 216 025 01	DEC CUID	100	50 /	1/10\\	DB001	1 220 400 11	NETWORK DE	CICTOD (CL	IID) 47	
R937	1-216-025-91		100	5% 5%	1/10W	RB001 RB002		NETWORK RE			
R938 R939	1-216-025-91		100	5%	1/10W				•	•	
	1-216-295-91		0			RB003		NETWORK RE			
R940	1-216-295-91		0			RB004		NETWORK RE		•	
R941	1-216-295-91	SHUKI	0			RB005	1-239-409-11	NETWORK RE	313 I OR (CH	IIP) 47	
2042	1 216 027 00	DEC CUID	220	E0/	1/10\A/	DDOOG	1 220 400 11	NETWORK DE	CICTOR (CL	IID) 47	
R942	1-216-037-00		330	5% 5%	1/10W	RB006		NETWORK RE			n
R943 R944	1-216-033-00 1-216-295-91		220 0	5%	1/10W	RB007 RB008		NETWORK RE	•	•	
1944 1945	1-216-295-91		0			RB009		NETWORK RE	•	•	
R951	1-216-295-91		2.2K	5%	1/10W	RB010		NETWORK RE			
R952	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	RB011	1-239-414-11	NETWORK RE	SISTOR (CH	IIP) 15	n
R953	1-216-295-91		0	C /0	., .ott	RB012		NETWORK RE	•	•	
355 354	1-216-295-91		0			RB012		NETWORK RE			-
354 3955	1-216-295-91		0			RB013		NETWORK RE	•	•	
1956 1956	1-216-295-91		47K	5%	1/10W	RB014		NETWORK RE	•	•	
1000	1-210-003-81	I VEO-OI IIF	7/13	J /0	1/1044	INDUIO	1-200-021-11	TAL I WORK RE		, 22	

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											<u> </u>
REF.NO.	PART NO.	DESCRIPTION		R	EMARK	REF.NO.	PART NO.	DESCRIPTION		R	REMARK
RB017	1_220_621_11	NETWORK RES	SISTOR (CL	ט יםוו		C1204	1_115_/110_11	CERAMIC CHIP	2200nE #	5%	25V
RB018		NETWORK RES				C1204		CERAMIC CHIP		5%	25V 25V
RB019		NETWORK RES	•			C1206		CERAMIC CHIP	•	10%	16V
RB020		NETWORK RES	•			0.200		02.0	опор.		
			•	•		C1208		CERAMIC CHIP	•	10%	16V
RB021		NETWORK RES	•			C1209		CERAMIC CHIP	•	10%	16V
RB022		NETWORK RES				C1210		CERAMIC CHIP			
RB023		NETWORK RES	•	•		C1211		CERAMIC CHIP		10%	16V
RB024		NETWORK RES	•	,		C1213	1-107-725-11	CERAMIC CHIP	0.1µF 1	10%	16V
RB025	1-239-409-11	NETWORK RES	10 10K (CF	11P) 47		C1215	1 164 505 11	CERAMIC CHIP	2 2uE		16V
RB026	1_230_400_11	NETWORK RES	STOR (CH	IID) 47		C1217		CERAMIC CHIP			16V
RB027		NETWORK RES				C1219		CERAMIC CHIP	•	5%	50V
RB301		NETWORK RES	•	,		C1220	1-107-715-11			20%	
RB302		NETWORK RES	•			C1221	1-137-150-11		•	5%	50V
RB701		NETWORK RES	•								
			•	•		C1222	1-126-962-11	ELECT	3.3µF 2	20%	50V
RB702	1-239-711-91	NETWORK RES	SISTOR (CH	IIP) 0		C1223	1-164-004-11	CERAMIC CHIP	0.1μF 1	10%	25V
RB703		NETWORK RES	•	•		C1224	1-126-933-11			20%	16V
RB704		NETWORK RES	•			C1225	1-126-933-11			20%	16V
RB705		NETWORK RES	•			C1226	1-126-933-11	ELECT	100µF 2	20%	16V
RB706	1-239-711-91	NETWORK RES	SISTOR (CF	11P) U		C1227	1 164 004 11	CERAMIC CHIP	0.1uE 1	10%	25V
						C1227		CERAMIC CHIP	•	10%	
	<crystal></crystal>					C1229	1-126-767-11		•		16V
	OKIONE					C1230	1-126-933-11			20%	16V
X801	1-781-649-21	OSCILLATOR, O	CRYSTAL (54MHz	:)	C1231		CERAMIC CHIP		10%	16V
X802		VIBRATOR, CR							•		
X901		VIBRATOR, CEI				C1310	1-115-339-11	CERAMIC CHIP	0.1μF 1	10%	50V
******	******	*******	******	*****	*****	C1311		CERAMIC CHIP	•	5%	50V
						C1312	1-104-664-11		•	20%	16V
•	'A-1299-176-A	A1 BOARD, CO				C1314	1-126-933-11			20%	16V
		*****	*******			C1315	1-107-725-11	CERAMIC CHIP	0.1µF 1	10%	16V
						C1316	1-126-933-11	ELECT	100µF 2	20%	16V
•	1-555-110-00	CABLE, PIN				C1317	1-163-005-11	CERAMIC CHIP	470pF 1	0%	50V
	4-382-854-11	SCREW (M3X10), P, SW (+)		C1321	1-126-933-11	ELECT	100µF 2	20%	16V
		(IC1601, IC160	2, IC1603, I	C1604	l, IC1605)	C1323	1-107-725-11	CERAMIC CHIP	0.1μF 1	10%	16V
	4-389-026-11	SHEET, BN (IC1	604)			C1324	1-163-005-11	CERAMIC CHIP	470 pF 1	0%	50V
	<comfilter< td=""><td>R MODULE></td><td></td><td></td><td></td><td>C1325</td><td>1-126-933-11</td><td>FLECT</td><td>100µF 2</td><td>20%</td><td>16V</td></comfilter<>	R MODULE>				C1325	1-126-933-11	FLECT	100µF 2	20%	16V
	400MI ILTEI	(MODULE				C1326	1-126-933-11			20%	16V
BC4	1-772-694-11	3D COMFILTER	MODULE.	DIGIT	AL	C1327	1-104-665-11			20%	25V
			,			C1328	1-126-967-11			20%	50V
						C1329		CERAMIC CHIP		0%	50V
	<capacitor< td=""><td>₹></td><td></td><td></td><td></td><td>04000</td><td>4 400 00= 44</td><td></td><td>450 5</td><td></td><td>=0\(\ell \)</td></capacitor<>	₹>				04000	4 400 00= 44		450 5		=0\(\ell \)
C4404	4 406 005 44	FLECT	470F	200/	46\/	C1330		CERAMIC CHIP	•	0%	50V 50V
C1101 C1102	1-126-935-11 1-126-964-11		470μF 10μF	20% 20%	16V 50V	C1331 C1332	1-103-005-11	CERAMIC CHIP	•	10% 20%	
C1102	1-126-960-11		10μΓ 1μF	20%	50V 50V	C1332	1-120-907-11			20%	25V
C1104	1-126-960-11		1μF	20%	50V	C1334	1-126-933-11				16V
C1105	1-126-041-11		2200µF	20%	35V					/ -	
						C1335		CERAMIC CHIP			50V
C1106	1-136-165-00		0.1µF	5%	50V	C1336		CERAMIC CHIP			50V
C1107	1-136-165-00		0.1µF	5%	50V	C1337		CERAMIC CHIP		10%	50V
C1108	1-104-664-11		47µF	20%	16V	C1401		CERAMIC CHIP	•		16V
C1109	1-104-664-11		47µF	20%	16V	C1601	1-164-004-11	CERAMIC CHIP	0.1μ - 1	10%	25V
C1110	1-104-004-11	CERAMIC CHIP	υ. ιμι-	10%	25V	C1602	1-164-004-11	CERAMIC CHIP	0.1uF 1	10%	25V
C1111	1-126-041-11	FLECT	2200µF	20%	35V	C1603		CERAMIC CHIP			25V
C1114		CERAMIC CHIP	•	10%	25V	C1604	1-126-933-11				16V
C1116	1-126-933-11		100µF	20%	16V	C1605		CERAMIC CHIP			25V
C1117		CERAMIC CHIP		10%	25V	C1606	1-126-933-11		•		16V
C1201		CERAMIC CHIP		10%	16V				-		
						C1607		CERAMIC CHIP	•		25V
C1202	1-126-934-11		220µF	20%	16V	C1608	1-126-933-11			20%	16V
C1203	1-126-965-11	ELECT	22µF	20%	50V	C1610	1-164-004-11	CERAMIC CHIP	υ.1μF 1	10%	25V



REF.NO.	PART NO.	DESCRIPTION	F	REMARK	REF.NO.	PART NO.	DESCRIPTION		REMARK
C1611	1-126-916-11			6.3V	D1406		DIODE DAN202		
C1612	1-126-925-11	ELECT 470	μF 20%	10V	D1409	8-719-422-12	DIODE MA8039		
C1615	1-164-004-11	CERAMIC CHIP 0.1	JF 10%	25V	D1410	8-719-402-92	DIODE MA3220	M-TX	
21616	1-126-916-11			6.3V	D1411		DIODE MA3220		
C1617	1-126-925-11	ELECT 470	μ F 20%	10V	D1412	8-719-988-61	DIODE 1SS355	TE-17	
C1619		CERAMIC CHIP 0.1		25V					
	<connecto< td=""><td>\D></td><td></td><td></td><td></td><td><ferritbea< td=""><td>/D></td><td></td><td></td></ferritbea<></td></connecto<>	\D >				<ferritbea< td=""><td>/D></td><td></td><td></td></ferritbea<>	/D>		
	CONNECTO	/K~			FB1301	1-216-295-91	SHORT	0	
		CONNECTOR, BOA		RD 50P					
		PLUG, CONNECTO							
		CONNECTOR, BOA		KD 50P		<ic></ic>			
		PLUG, CONNECTO			IC1101	0 750 100 00	IC TDA7065		
JN 1302	1-704-333-11	PLUG, CONNECTO	K IUP		IC1201	8-759-190-89	IC TDA7265	12TD	
CN1404	1_605_208_11	CONNECTOR, BOA		2D 40D	IC1201		IC TDA7313D0		
		PIN, CONNECTOR (IC1301		IC S-80743AL-A		
		PIN. CONNECTOR (IC1601		IC PQ05RF11	0	
		PLUG, CONNECTO		201	101001	0-753-003-20	101 00010111		
		PLUG, CONNECTO			IC1602	8-759-095-63	IC PQ09RF2		
		. 200, 0020.0.			IC1603		IC PQ30RV21		
CN1603 *	1-764-333-11	PLUG, CONNECTOR	R 10P		IC1604	8-759-644-37			
CN1605 *	1-508-765-00	PIN, CONNECTOR (5MM PITCH	3P	IC1605		IC PQ05RF11		
CN1606 *	1-564-508-11	PLUG, CONNECTO	R 5P						
CN1661	1-695-915-11	TAB (CONTACT)							
CN1665	1-695-915-11	TAB (CONTACT)				<chip cond<="" td=""><td>UCTOR></td><td></td><td></td></chip>	UCTOR>		
CN1666	1-695-915-11	TAB (CONTACT)			JR1001	1-216-295-91	SHORT	0	
CN1801	1-695-299-11	CONNECTOR, BOA	RD TO BOAF	RD 50P	JR1002	1-216-295-91	SHORT	0	
					JR1003	1-216-295-91	SHORT	0	
					JR1004	1-216-295-91	SHORT	0	
	<composit< td=""><td>ION CIRCUIT BLOCK</td><td>(></td><td></td><td>JR1005</td><td>1-216-295-91</td><td>SHORT</td><td>0</td><td></td></composit<>	ION CIRCUIT BLOCK	(>		JR1005	1-216-295-91	SHORT	0	
CP1302	1-251-658-31	SPLITTER RF			JR1006	1-216-295-91	SHORT	0	
					JR1007	1-216-295-91	SHORT	0	
					JR1008	1-216-295-91	SHORT	0	
	<diode></diode>				JR1009	1-216-295-91	SHORT	0	
			_		JR1010	1-216-295-91	SHORT	0	
D1101		DIODE 1SS355TE-1						_	
		DIODE 1SS355TE-1			JR1011			0	
		DIODE 1SS355TE-1			JR1013	1-216-295-91		0	
		DIODE 1SS355TE-1	/		JR1014 JR1015	1-216-295-91		0	
D1105	8-719-914-43	DIODE DAN202K			JR1015 JR1016	1-216-295-91 1-216-295-91		0	
D1106	8_710_014_43	DIODE DAN202K			JKIUIO	1-210-295-91	SHOKI	U	
D1107		DIODE MA3220M-TX	x		JR1017	1-216-295-91	SHORT	0	
D1108		DIODE 1SS355TE-1			JR1018	1-216-295-91		Ŏ	
D1109		DIODE 1SS355TE-1			JR1019	1-216-295-91		Ö	
D1110		DIODE MA3220M-TX			JR1020	1-216-295-91		Ö	
					JR1023	1-216-295-91		Ō	
D1111	8-719-402-92	DIODE MA3220M-TX	K						
D1112	8-719-402-92	DIODE MA3220M-TX	K		JR1028	1-216-295-91	SHORT	0	
D1201	8-719-988-61	DIODE 1SS355TE-1	7		JR1031	1-216-295-91	SHORT	0	
D1202		DIODE DAN202K			JR1032	1-216-295-91	SHORT	0	
D1204	8-719-914-43	DIODE DAN202K			JR1033	1-216-295-91		0	
		BIODE 4666	_		JR1034	1-216-295-91	SHORT	0	
01205		DIODE 1SS355TE-1			ID4005	4 040 000 00	CHORT	_	
01206		DIODE UDZ-TE-17-2			JR1035	1-216-295-91		0	
D1301		DIODE MA111-(K8).			JR1201	1-216-295-91		0	
01401		DIODE UDZ-TE-17-6			JR1202	1-216-295-91		0	
D1402	o-719-056-82	DIODE UDZ-TE-17-6).∠B		JR1303	1-216-295-91		0	
21402	9.740 OFF 00	DIODE LIDZ TE 47.4	S 2B		JR1305	1-216-295-91	SHUKI	0	
D1403 D1404		DIODE UDZ-TE-17-6 DIODE UDZ-TE-17-6			JR1306	1-216-295-91	SHORT	0	
D1404 D1405		DIODE UDZ-TE-17-6			JR1601	1-216-295-91		0	
		UNUL UUL-1 [-1/4			. JIX 100 I	1-410-430-31	ULIVINI	.,	

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REF.NO.	PART NO.	DESCRIPTION		R	EMARK	REF.NO.	PART NO.	DESCRIPTION	l	I	REMARK
JR1603	1-216-295-91	SHORT	0			R1112	1-216-295-91	SHORT	0		
JR1604	1-414-193-41	INDUCTOR	220µH			R1113	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
			•			R1114	1-216-089-91	RES-CHIP	47K	5%	1/10W
	<coil></coil>					R1115	1-216-089-91	RES-CHIP	47K	5%	1/10W
	COIL>					R1116	1-216-295-91	SHORT	0		
L1304	1-414-856-11	INDUCTOR	10µH			R1117	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
L1305	1-414-856-11	INDUCTOR	10µH			R1118	1-216-079-00	RES-CHIP	18K	5%	1/10W
L1306	1-414-856-11	INDUCTOR	10µH			R1119	1-216-079-00	RES-CHIP	18K	5%	1/10W
L1307	1-414-856-11		10µH			R1120	1-216-043-91	RES-CHIP	560	5%	1/10W
L1308	1-414-856-11	INDUCTOR	10µH			D4404	1-216-043-91	DEC CUID	E60	E0/	4/40\4/
1 4200	1 444 056 44	INDLICTOR	40L			R1121 R1122		METAL OXIDE		5% = 0/	1/10W 1W
L1309 L1310	1-414-856-11 1-414-856-11		10μΗ 10μΗ			R1123	1-210-357-00			5% 5%	1/4W
L1310	1-414-856-11		10μH			R1124		METAL OXIDE		5%	1/4VV
L1312	1-414-856-11		10μH			R1126	1-216-073-00			5%	1/10W
L1313	1-414-856-11		10µH			111120	1 2 10 07 0 00	1120 01111	1011	0 / 0	.,
						R1127	1-216-073-00	RES-CHIP	10K	5%	1/10W
L1314	1-414-856-11	INDUCTOR	10µH			R1128	1-216-049-91	RES-CHIP	1K	5%	1/10W
			•			R1130	1-216-089-91	RES-CHIP	47K	5%	1/10W
						R1131	1-216-089-91	RES-CHIP	47K	5%	1/10W
	<transisto< td=""><td>R></td><td></td><td></td><td></td><td>R1201</td><td>1-216-033-00</td><td>RES-CHIP</td><td>220</td><td>5%</td><td>1/10W</td></transisto<>	R>				R1201	1-216-033-00	RES-CHIP	220	5%	1/10W
Q1101	8-729-120-28	TRANSISTOR 2	SC1623-L5	L6		R1202	1-216-033-00	RES-CHIP	220	5%	1/10W
Q1102	8-729-026-49	TRANSISTOR 2	SA1037AK-	T-146	-R	R1203	1-216-033-00	RES-CHIP	220	5%	1/10W
Q1103	8-729-120-28	TRANSISTOR 2	SC1623-L5	L6		R1204	1-216-033-00		220	5%	1/10W
Q1104		TRANSISTOR 2				R1206	1-216-067-00			5%	1/10W
Q1105	8-729-120-28	TRANSISTOR 2	SC1623-L5	L6		R1207	1-216-295-91	SHORT	0		
Q1106	8-729-026-49	TRANSISTOR 2	SA1037AK-	T-146	-R	R1209	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
Q1201	8-729-026-49	TRANSISTOR 2	SA1037AK-	T-146	-R	R1210	1-216-295-91	SHORT	0		
Q1202		TRANSISTOR 2				R1211	1-216-065-91			5%	1/10W
Q1203		TRANSISTOR 2			-R	R1212	1-216-089-91			5%	1/10W
Q1204	8-729-120-28	TRANSISTOR 2	SC1623-L5	L6		R1213	1-216-089-91	RES-CHIP	47K	5%	1/10W
Q1205		TRANSISTOR 2				R1214	1-216-073-00			5%	1/10W
Q1206		TRANSISTOR 2				R1215	1-216-067-00			5%	1/10W
Q1207		TRANSISTOR 2				R1216	1-216-097-91			5%	1/10W
Q1208		TRANSISTOR 2			_	R1217	1-216-097-91			5% 5%	1/10W
Q1209	8-729-026-49	TRANSISTOR 2	SA103/AK-	1-146	- K	R1218	1-216-089-91	RES-CHIP	47K	5%	1/10W
Q1308		TRANSISTOR 2				R1219	1-216-073-00			5%	1/10W
Q1309		TRANSISTOR 2			-R	R1220	1-216-089-91			5%	1/10W
Q1310		TRANSISTOR 2			_	R1221	1-216-073-00			5%	1/10W
Q1311		TRANSISTOR 2			-R	R1222	1-216-081-00			5%	1/10W
Q1312	8-729-120-28	TRANSISTOR 2	SC1623-L5	Lb		R1223	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
Q1401	8-729-026-49	TRANSISTOR 2	SA1037AK-	T-146	-R	R1224	1-216-081-00	RES-CHIP	22K	5%	1/10W
Q1402	8-729-120-28	TRANSISTOR 2	SC1623-L5	L6		R1225	1-216-033-00		220	5%	1/10W
Q1409	8-729-026-49	TRANSISTOR 2	SA1037AK-	T-146	-R	R1226	1-216-033-00	RES-CHIP		5%	1/10W
						R1228	1-216-057-00			5%	1/10W
	<resistor></resistor>	•				R1229	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
	112001016					R1230	1-216-308-00	RES-CHIP	4.7	5%	1/10W
R1101	1-216-081-00	RES-CHIP	22K	5%	1/10W	R1231	1-216-295-91	SHORT	0		
R1102	1-216-097-91		100K	5%	1/10W	R1232	1-216-295-91		0		
R1103	1-249-377-11		0.47	5%	1/4W	R1233	1-216-295-91		Ō		
R1104	1-216-089-91		47K	5%	1/10W	R1234	1-216-295-91	SHORT	0		
R1105	1-216-113-00	RES-CHIP	470K	5%	1/10W	R1235	1-216-081-00	RES_CHIP	22K	5%	1/10W
R1106	1-216-089-91	RES-CHIP	47K	5%	1/10W	R1236	1-216-081-00			5% 5%	1/10W
R1107	1-216-057-00		2.2K	5%	1/10W	R1237	1-216-081-00			5%	1/10W
R1108	1-216-073-00		10K	5%	1/10W	R1249	1-216-308-00			5%	1/10W
R1109	1-216-041-00		470	5%	1/10W	R1329	1-216-057-00			5%	1/10W
R1110	1-216-073-00		10K	5%	1/10W					-	
						R1330	1-216-057-00			5%	1/10W
R1111	1-216-041-00	RES-CHIP	470	5%	1/10W	R1331	1-216-065-91	RES-CHIP	4.7K	5%	1/10W

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The components identified by shading and mark ∆ are critical for safety. Replace only with part number specified.

	IAI I									
REF.NO.	PART NO.	DESCRIPTION	N	R	EMARK	REF.NO.	PART NO.	DESCRIPTION	F	REMARK
R1332	1-216-043-91	RES-CHIP	560	5%	1/10W		* A-1306-588-A	N M1 BOARD, COMPLETE		
R1333	1-216-039-00	RES-CHIP	390	5%	1/10W			*********		
R1334	1-216-025-91	RES-CHIP	100	5%	1/10W					
R1335	1-216-049-91	RES-CHIP	1K	5%	1/10W		<capacito< td=""><td>R></td><td></td><td></td></capacito<>	R>		
R1336	1-216-025-91	RES-CHIP	100	5%	1/10W					
R1337	1-216-017-91	RES-CHIP	47	5%	1/10W	C001	1-126-960-11	ELECT 1µF	20%	50V
R1338	1-216-295-91	SHORT	0			C002	1-163-038-91	CERAMIC CHIP 0.1µF		25V
R1341	1-216-025-91	RES-CHIP	100	5%	1/10W	C003	1-163-037-11	CERAMIC CHIP 0.022µF	10%	50V
						C004		CERAMIC CHIP 0.1µF		25V
R1342	1-216-295-91	SHORT	0			C007		CERAMIC CHIP 0.1µF		25V
R1344	1-216-043-91	RES-CHIP	560	5%	1/10W			•		
R1345	1-216-039-00	RES-CHIP	390	5%	1/10W	C010	1-126-933-11	ELECT 100µF	20%	16V
R1346	1-216-073-00		10K	5%	1/10W	C013		CERAMIC CHIP 0.033µF	10%	25V
R1347	1-216-025-91		100	5%	1/10W	C014		CERAMIC CHIP 0.01µF	10%	
						C015		CERAMIC CHIP 33pF	5%	50V
R1348	1-216-025-91	RES-CHIP	100	5%	1/10W	C016		CERAMIC CHIP 33pF	5%	50V
R1349	1-216-025-91		100	5%	1/10W	55.5	. 100 200 11	02.0 a.m. cop.	0,0	
R1350	1-216-025-91		100	5%	1/10W	C017	1-163-227-11	CERAMIC CHIP 10pF	0.50	F 50V
R1351	1-216-017-91		47	5%	1/10W	C018		CERAMIC CHIP 0.01µF		50V
R1352	1-216-049-91		1K	5%	1/10W	C019		CERAMIC CHIP 47pF	5%	50V
111002	1-210-0-0-01	INLO-OI III	IIX	370	17 10 44	C020		CERAMIC CHIP 56pF	5%	50V
R1402	1-216-081-00	DEC CUID	22K	5%	1/10W	C020		CERAMIC CHIP 10pF	0.50	
R1403		METAL CHIP	1K		1/10W	COZI	1-103-227-11	CEIVANIC CITIF TOPI	0.50	JI 30 V
R1404	1-216-025-91		100	5%	1/10W	C022	1 162 227 11	CERAMIC CHIP 10pF	0.50	F 50V
R1405		METAL CHIP	68K		1/10W	C022	1-103-227-11			50V
R1406		METAL CHIP	47K		1/10W	C023		CERAMIC CHIP 0.01µF		50V 50V
K 1400	1-200-022-11	METAL CHIP	4/1	0.5%	1/1044	C024	1-126-933-11	•	20%	16V
D4407	4 000 047 44	METAL CHID	201/	0.50/	4 /4 OVA/					
R1407		METAL CHIP	30K		1/10W	C026	1-163-009-11	CERAMIC CHIP 0.001µF	10%	50V
R1408		METAL CHIP	4.7K		1/10W	0007	4 460 004 04	CERAMIC CUID O 04:-E	400/	E0\/
R1409	1-216-081-00		22K	5%	1/10W	C027		CERAMIC CHIP 0.01µF	10%	
R1436	1-216-295-91		0			C028	1-126-933-11	•	20%	
R1437	1-216-295-91	SHUKI	U			C030	1-103-021-91	CERAMIC CHIP 0.01µF ELECT 100uF	10% 20%	
D4400	4 046 005 04	CHODE	0			C032			20%	
R1438	1-216-295-91 1-216-295-91		0			C033	1-103-030-91	CERAMIC CHIP 0.1µF		25V
R1439 R1440	1-216-295-91		0			C034	1 160 040 14	CERAMIC CHIP 47pF	5%	50V
			0			C034		CERAMIC CHIP 47pF	10%	
R1441	1-216-295-91		0			C036				
R1452	1-216-295-91	SHUKI	U					CERAMIC CHIP 100pF	5%	50V
D4450	4 046 005 04	CHODE	^			C037		CERAMIC CHIP 100pF	5%	50V
R1453	1-216-295-91		0	E0/	4/4004/	C038	1-103-251-11	CERAMIC CHIP 100pF	5%	50V
R1460	1-216-049-91		1K	5%	1/10W	0000	4 400 054 44	OFFIAMIO OLUF 400-F	E0/	E0\ /
R1461	1-216-073-00		10K	5%	1/10W	C039		CERAMIC CHIP 100pF	5%	50V
R1462	1-216-073-00		10K	5%	1/10W	C040		CERAMIC CHIP 0.47µF	400/	25V
R1601	1-216-295-91	SHUKI	0			C041		CERAMIC CHIP 220pF	10%	50V
D4000	4 000 770 44	METAL OLUB	000	0.50/	4/4004/	C042		CERAMIC CHIP 220pF	10%	50V
R1608		METAL CHIP	680		1/10W	C043	1-126-933-11	ELECT 100µF	20%	16V
R1610		METAL CHIP	390		1/10W	0045	4 404 005 44	ELECT 400 E	000/	05.7
R1611		METAL CHIP	390		1/10W	C045	1-104-665-11	•	20%	25V
R1613	1-208-772-11	METAL CHIP	390	0.5%	1/10W	C046		CERAMIC CHIP 0.1µF		25V
						C048		CERAMIC CHIP 0.01µF		50V
						C049		CERAMIC CHIP 0.01µF		50V
	<relay></relay>					C050	1-163-021-91	CERAMIC CHIP 0.01µF	10%	50V
RY1101	1-755-028-11	RELAY				C051	1-163-021-91	CERAMIC CHIP 0.01µF	10%	50V
RY1102	1-755-028-11	RELAY				C052	1-163-038-91	CERAMIC CHIP 0.1µF		25V
						C054	1-126-933-11	ELECT 100µF	20%	16V
						C055		CERAMIC CHIP 0.01µF	10%	50V
	<tuner></tuner>					C056		CERAMIC CHIP 0.01µF		50V
TU1303	∆ 8-598-508- 10	TUNER, FSS E	STF-LG436			C059	1-163-038-91	CERAMIC CHIP 0.1µF		25V
		TUNER, FSS E				C060		CERAMIC CHIP 0.1µF		25V
		*******		*****	*****	C061		CERAMIC CHIP 0.01µF	10%	50V
						C062		CERAMIC CHIP 220pF	5%	50V

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REF.NO.	PART NO.	DESCRIPTION	<u> </u>	REMARK	REF.NO.	PART NO.	DESCRIPTION	1	R	EMARK
	<connecto< td=""><td>R></td><td></td><td></td><td>L006</td><td>1-408-603-31</td><td>INDUCTOR</td><td>10µH</td><td></td><td></td></connecto<>	R>			L006	1-408-603-31	INDUCTOR	10µH		
CN001	1-695-302-11	CONNECTOR,	BOARD TO E	BOARD 50P		~TDANGICT	ND >			
						<transisto< td=""><td></td><td></td><td></td><td></td></transisto<>				
	<diode></diode>				Q004		TRANSISTOR :			R
					Q005		TRANSISTOR 2			
D003		DIODE 1SS355			Q006		TRANSISTOR 2			_
D004		DIODE 1SS355			Q008		TRANSISTOR			
D007		DIODE 1SS355			Q009	8-729-026-49	TRANSISTOR 2	2SA1037AK-T-	-146-	R
D008		DIODE 188355			0040	0.700.000.40	TRANSISTOR	00 A 400 TALC T	440	_
D009	8-719-988-61	DIODE 1SS355	I E-1/		Q010		TRANSISTOR :			ĸ
D045	0 740 000 64	DIODE 4003EE	TC 47		Q014 Q015		TRANSISTOR :			
D015 D017		DIODE 1SS355			Q016		TRANSISTOR			ь
D017	0-7 19-900-01	DIODE 188300	16-17		Q016 Q017		TRANSISTOR 2			
	<ferritbea< td=""><td>ND></td><td></td><td></td><td>Q018</td><td>8-729-026-49</td><td>TRANSISTOR</td><td>2SA1037AK-T-</td><td>-146-</td><td>·R</td></ferritbea<>	ND>			Q018	8-729-026-49	TRANSISTOR	2SA1037AK-T-	-146-	·R
					Q019	8-729-026-49	TRANSISTOR :	2SA1037AK-T-	-146-	·R
FB001	1-414-233-22	INDUCTOR CH	IP (OμH	Q020		TRANSISTOR :			
FB002	1-414-233-22	INDUCTOR CH		0µH	Q021	8-729-026-49	TRANSISTOR :	2SA1037AK-T-	-146-	·R
FB003		INDUCTOR CH		0μH	Q022		TRANSISTOR 2			
FB004	1-414-233-22	INDUCTOR CH		θμΗ						
FB005	1-414-233-22	INDUCTOR CH		0μH	Q023	8-729-120-28	TRANSISTOR	2SC1623-L5L6	j	
FB006		INDUCTOR CH		0μH						
FB007	1-414-233-22	INDUCTOR CH	IP (OμH		<resistor></resistor>	>			
FB008		INDUCTOR CH		OμH						
FB009		INDUCTOR CH		OμH	R001	1-216-073-00			%	1/10W
FB010	1-414-233-22	INDUCTOR CH	IP (OμH	R002	1-216-065-91	RES-CHIP		%	1/10W
					R003	1-216-065-91	RES-CHIP	4.7K 5	%	1/10W
FB011	1-414-233-22	INDUCTOR CH	IP (OμH	R004	1-216-025-91	RES-CHIP	100 5	%	1/10W
FB012	1-414-233-22	INDUCTOR CH	IP (0μH	R005	1-216-025-91	RES-CHIP	100 5	%	1/10W
					R006	1-216-025-91			%	1/10W
	<filter></filter>				R007	1-216-025-91			%	1/10W
					R008	1-216-025-91			%	1/10W
FL001	1-236-071-11	ENCAPSULATE	D COMPON	ENT	R009	1-216-025-91		100 5	%	1/10W
					R011	1-216-025-91	RES-CHIP	100 5	%	1/10W
	<ic></ic>				R012	1-216-025-91			%	1/10W
					R013	1-216-025-91	RES-CHIP	100 5	%	1/10W
C001		IC S-80743AL-A			R015	1-216-295-91		0		
IC002	8-752-916-27	IC CXP750096-	025Q-TL		R021	1-216-025-91	RES-CHIP	100 5	%	1/10W
C003	8-759-652-13	IC SDA5254-2B	006		R022	1-216-025-91	RES-CHIP	100 5	%	1/10W
IC004	8-759-675-64	IC M24C08-MN	6T(A)							
IC005	8-759-671-94	IC MC74HC405	3AFEL		R023	1-216-025-91			%	1/10W
					R024	1-216-049-91	RES-CHIP	1K 5	%	1/10W
IC006	8-759-575-71	IC M24C04-WM	N6T		R026	1-216-025-91		100 5	%	1/10W
IC007	8-759-042-02	IC S-80743AL-A	.7-S		R027	1-216-033-00	RES-CHIP	220 5	%	1/10W
IC008	8-759-242-68	IC TC7W32F			R030	1-216-025-91	RES-CHIP	100 5	%	1/10W
IC009	8-759-242-78	IC TC7W02F								
IC010	8-759-242-74	IC TC7W04F			R031	1-216-049-91	RES-CHIP	1K 5	%	1/10W
					R032	1-216-049-91	RES-CHIP	1K 5	%	1/10W
					R033	1-216-049-91	RES-CHIP	1K 5	%	1/10W
	<chip cond<="" td=""><td>UCTOR></td><td></td><td></td><td>R034</td><td>1-216-049-91</td><td>RES-CHIP</td><td>1K 5</td><td>%</td><td>1/10W</td></chip>	UCTOR>			R034	1-216-049-91	RES-CHIP	1K 5	%	1/10W
ID004	1 046 005 04	CHODE	0		R035	1-208-792-11	METAL CHIP	2.7K 0	.5%	1/10W
JR001	1-216-295-91		0		Doge	4 046 005 04	DEC CUID	400 5	.07	4/40\4/
JR002	1-216-295-91	SHUKI	0		R036	1-216-025-91			% 	1/10W
					R037	1-216-049-91			% 	1/10W
	400II 5				R038	1-216-025-91			% •/	1/10W
	<coil></coil>				R039	1-216-049-91			%	1/10W
L002	1-408-591-11	INDLICTOR	1uH		R040	1-216-025-91	KES-CHIP	100 5	%	1/10W
			1μΗ 10⊔		D040	4 046 0F7 00	DEC CUID	224 -	:0/	4/4004/
L003	1-408-603-31		10µH		R042	1-216-057-00			%	1/10W
L004	1-408-603-31		10µH		R043	1-216-033-00			% 	1/10W
L005	1-408-602-31	INDUCTOR	8.2µH		R044	1-216-045-00	KES-UHIP	680 5	%	1/10W

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REF.NO.	PART NO.	DESCRIPTIO	N	R	EMARK	REF.NO.	PART NO.	DESCRIPTION	1	R	REMARK
R047	1-216-065-91		4.7K	5%	1/10W	R120	1-216-073-00	RES-CHIP	10K	5%	1/10W
R048	1-216-049-91	RES-CHIP	1K	5%	1/10W	D404	1-216-065-91	DEC CUID	4 71/	E0/	4/40\A/
D040	4 046 0E7 00	DEC CUID	0.01/	E0/	4/40\4/	R121			4.7K	5%	1/10W
R049	1-216-057-00		2.2K	5%	1/10W	R123	1-216-017-91		47	5%	1/10W
R050	1-216-057-00		2.2K	5%	1/10W	R124	1-216-025-91		100	5%	1/10W
R051	1-216-065-91		4.7K	5%	1/10W	R125	1-216-025-91		100	5%	1/10W
R052 R053	1-216-065-91 1-216-045-00		4.7K 680	5% 5%	1/10W 1/10W	R126	1-216-049-91	RES-CHIP	1K	5%	1/10W
11000	1-210-0-10-00	TALO-OTTII	000	070	1, 1011	R127	1-216-049-91	RES-CHIP	1K	5%	1/10W
R054	1-216-025-91	RES-CHIP	100	5%	1/10W	R128	1-216-049-91		1K	5%	1/10W
R055	1-216-025-91		100	5%	1/10W	R129	1-216-049-91		1K	5%	1/10W
R058		METAL CHIP	27K		1/10W	R131	1-216-073-00		10K	5%	1/10W
R059	1-216-065-91		4.7K	5%	1/10W	R132	1-216-049-91		1K	5%	1/10W
R060	1-216-045-00		680	5%	1/10W					0,0	.,
						R133	1-216-025-91	RES-CHIP	100	5%	1/10W
R061	1-216-025-91	RES-CHIP	100	5%	1/10W	R134	1-216-041-00	RES-CHIP	470	5%	1/10W
R063	1-216-025-91	RES-CHIP	100	5%	1/10W	R135	1-216-025-91	RES-CHIP	100	5%	1/10W
R064	1-216-025-91	RES-CHIP	100	5%	1/10W	R137	1-216-295-91	SHORT	0		
R065	1-208-758-11	METAL CHIP	100	0.5%	1/10W	R138	1-216-041-00	RES-CHIP	470	5%	1/10W
R067	1-208-758-11	METAL CHIP	100	0.5%	1/10W						
						R139	1-216-049-91	RES-CHIP	1K	5%	1/10W
R068	1-216-295-91	SHORT	0			R140	1-216-073-00	RES-CHIP	10K	5%	1/10W
R069	1-208-758-11	METAL CHIP	100	0.5%	1/10W	R141	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R070	1-216-295-91	SHORT	0			R142	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R071	1-216-295-91	SHORT	0			R143	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R072	1-216-295-91	SHORT	0								
						R144	1-216-033-00	RES-CHIP	220	5%	1/10W
R073	1-216-025-91		100	5%	1/10W						
R078	1-216-025-91		100	5%	1/10W						
R079	1-216-025-91		100	5%	1/10W		<crystal></crystal>				
R080	1-216-121-91		1M	5%	1/10W	V004	4 507 000 44	VIDLATOR OF	DANIO (00)		
R081	1-216-041-00	RES-CHIP	470	5%	1/10W	X001 X002		VIBLATOR, CE VIBRATOR, CF			
R082	1-216-089-91	RES-CHIP	47K	5%	1/10W			******			*****
R083	1-216-049-91	RES-CHIP	1K	5%	1/10W						
R085	1-216-037-00	RES-CHIP	330	5%	1/10W		* A-1346-922-A	E BOARD, CO	MPLETE		
R086	1-216-053-00	RES-CHIP	1.5K	5%	1/10W			******	******		
R088	1-216-063-91	RES-CHIP	3.9K	5%	1/10W						
R089	1-216-073-00	RES-CHIP	10K	5%	1/10W		<capacitor< td=""><td>₹></td><td></td><td></td><td></td></capacitor<>	₹>			
R090	1-216-033-00		220	5%	1/10W		0	•			
R091	1-216-033-00		220	5%	1/10W	C4301	1-126-960-11	ELECT	1µF	20%	50V
R092	1-216-073-00	RES-CHIP	10K	5%	1/10W	C4302		CERAMIC CHII		10%	16V
R093	1-216-025-91		100	5%	1/10W	C4303		CERAMIC CHII		10%	
						C4304		CERAMIC CHII		10%	25V
R094	1-216-025-91	RES-CHIP	100	5%	1/10W	C4306	1-126-964-11	ELECT	10μF	20%	50V
R095	1-216-033-00	RES-CHIP	220	5%	1/10W						
R099	1-216-295-91	SHORT	0			C4307	1-163-137-00	CERAMIC CHII	P 680pF	5%	50V
R100	1-216-055-00	RES-CHIP	1.8K	5%	1/10W	C4311	1-164-004-11	CERAMIC CHII	² 0.1μF	10%	25V
R101	1-216-055-00	RES-CHIP	1.8K	5%	1/10W	C4312	1-164-004-11	CERAMIC CHII	⊇ 0.1µF	10%	25V
						C4313		CERAMIC CHII		10%	25V
R102	1-216-295-91	SHORT	0			C4315	1-163-222-11	CERAMIC CHII	^o 5pF	0.25p	F 50V
R103	1-216-055-00	RES-CHIP	1.8K	5%	1/10W						
R104	1-216-295-91	SHORT	0			C4316	1-104-664-11	ELECT	47µF	20%	25V
R105	1-216-065-91		4.7K	5%	1/10W	C4317		CERAMIC CHII			25V
R106	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	C4318		CERAMIC CHII		10%	25V
						C4319		CERAMIC CHII			25V
R107	1-216-065-91		4.7K	5%	1/10W	C4324	1-164-004-11	CERAMIC CHII	² 0.1µF	10%	25V
R108	1-216-049-91		1K	5%	1/10W						
R109	1-216-025-91		100	5%	1/10W	C4325		CERAMIC CHII	P 10pF	5%	50V
R110	1-216-049-91		1K	5%	1/10W	C4329	1-126-963-11		4.7µF		50V
R111	1-216-025-91	RES-CHIP	100	5%	1/10W	C4330	1-137-581-11		0.1µF	5%	100V
						C4331	1-126-959-11		0.47µF		50V
	1 216 040 04	RES-CHIP	1K	5%	1/10W	C4333	1-164-004-11	CERAMIC CHII	≥ 0.1µF	10%	25V
R112											
R113	1-216-025-91		100	5%	1/10W						
		RES-CHIP	100 1K 0	5% 5%	1/10W 1/10W	C4334 C4336	1-126-967-11 1-126-967-11		47μF 47μF		50V 50V

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REF.NO.	PART NO.	DESCRIPTION	I	REMARK	REF.NO.	PART NO.	DESCRIPTIO	N	R	EMARK
C4338	1_164_004_11	CERAMIC CHIP 0.1	ıF 10%	25V		<ic></ic>				
C4340	1-126-967-11			50V		102				
C4342		CERAMIC CHIP 0.01		50V	IC4301	8-752-090-87	IC CXA2100AC)		
			•							
C4343		CERAMIC CHIP 0.1		25V						
C4344	1-126-960-11			50V		<chip cone<="" td=""><td>DUCTOR></td><td></td><td></td><td></td></chip>	DUCTOR>			
C4345	1-126-967-11			50V	ID 4004	4 040 005 04	OLIODT	•		
C4346 C4347		CERAMIC CHIP 0.1, CERAMIC CHIP 0.1,		25V 25V	JR4301 JR4302	1-216-295-91 1-216-037-00		0 330	5%	1/10W
04347	1-104-004-11	CERTAINIC CHIEF U. I	1076	254	3114302	1-210-037-00	KES-CITIF	330	J /0	1/1044
C4348	1-164-004-11	CERAMIC CHIP 0.1	JF 10%	25V						
C4349	1-164-004-11	CERAMIC CHIP 0.1		25V		<coil></coil>				
C4350		CERAMIC CHIP 0.1		25V						
C4351		CERAMIC CHIP 0.00		50V	L4301		INDUCTOR CH		10µH	
C4352	1-126-967-11	ELECT 47µ	F 20%	50V	L4302 L4303		INDUCTOR CH		10μH 10μH	
C4353	1_107_823_11	CERAMIC CHIP 0.47	7uF 10%	16V	L4303		INDUCTOR CH		10μΠ 10μΗ	
C4354		CERAMIC CHIP 0.47		16V	L4305		INDUCTOR CH		10µH	
C4355		CERAMIC CHIP 0.1		25V	-1000	020			.од	
C4356	1-164-004-11	CERAMIC CHIP 0.1	JF 10%	25V	L4306	1-412-029-11	INDUCTOR CH	I IP	10µH	
C4357	1-164-004-11	CERAMIC CHIP 0.1	ıF 10%	25V	L4308		INDUCTOR CH		47µH	
					L4309	1-412-031-11	INDUCTOR CH	IIP	47µH	
C4358		CERAMIC CHIP 0.1		25V						
C4359 C4360	1-104-101-11	CERAMIC CHIP 0.00 ELECT 10u		50V 50V		<transisto< td=""><td>1P></td><td></td><td></td><td></td></transisto<>	1 P>			
C4362		CERAMIC CHIP 0.1		25V		~110ANOIO10	JK-			
C4363	1-126-967-11			50V	Q4301	8-729-120-28	TRANSISTOR	2SC1623-L5	L6	
		•			Q4303	8-729-216-22	TRANSISTOR	2SA1162-G		
C4364	1-126-967-11			50V	Q4304		TRANSISTOR			
C4368		CERAMIC CHIP 0.1		25V	Q4307		TRANSISTOR			
C4369 C4370	1-164-004-11 1-126-967-11	CERAMIC CHIP 0.1 ELECT 47		25V 50V	Q4308	8-729-216-22	TRANSISTOR	2SA1162-G		
C4370 C4371		CERAMIC CHIP 0.1		25V	Q4310	8_720_216_22	TRANSISTOR	25A1162-G		
04071	1-10-00-11	OLIVANIO OI III O. I	21 1070	201	Q4316		TRANSISTOR			
C4372	1-164-505-11	CERAMIC CHIP 2.2	ıF	16V	Q4317		TRANSISTOR			
C4373	1-164-004-11	CERAMIC CHIP 0.1		25V	Q4318	8-729-216-22	TRANSISTOR	2SA1162-G		
C4374		CERAMIC CHIP 0.1		25V	Q4319	8-729-120-28	TRANSISTOR	2SC1623-L5	L6	
C4377	1-126-960-11	•		50V	0.4000	0.700.040.00	TDANIOIOTOD	0044400 0		
C4382	1-164-004-11	CERAMIC CHIP 0.1	JF 10%	25V	Q4320 Q4321		TRANSISTOR TRANSISTOR			
C4383	1-164-004-11	CERAMIC CHIP 0.1	ıF 10%	25V	Q4321		TRANSISTOR			
C4384		CERAMIC CHIP 0.1		25V	Q4323		TRANSISTOR			
C4601		CERAMIC CHIP 0.00		50V	Q4324	8-729-216-22	TRANSISTOR	2SA1162-G		
	OONNEOT	.			Q4601		TRANSISTOR			
	<connecto< td=""><td>DK></td><td></td><td></td><td>Q4602</td><td>8-729-120-28</td><td>TRANSISTOR</td><td>2SC1623-L5</td><td>L6</td><td></td></connecto<>	DK>			Q4602	8-729-120-28	TRANSISTOR	2SC1623-L5	L6	
CN4101	1-695-301-11	CONNECTOR, BOA	RD TO BOAI	RD 40P						
	* 1-564-512-11	PLUG, CONNECTOR	R 9P			<resistor:< td=""><td>></td><td></td><td></td><td></td></resistor:<>	>			
		PLUG, CONNECTOR								
					R4301	1-216-025-91		100	5%	1/10W
	-DIODE:				R4302	1-216-025-91		100	5%	1/10W
	<diode></diode>				R4303 R4304	1-216-025-91 1-216-025-91		100 100	5% 5%	1/10W 1/10W
D4304	8_710_077_22	DIODE DTZ9.1			R4304	1-216-025-91		100	5% 5%	1/10W
D4305		DIODE DTZ9.1			144000	1-210-020-01	TALO-OTTII	100	070	1,1011
D4601		DIODE MA3062M-TX	(R4306	1-216-045-00	RES-CHIP	680	5%	1/10W
D4602		DIODE DAN202K			R4307	1-216-295-91		0		
D4603	8-719-914-43	DIODE DAN202K			R4309	1-216-295-91		0		
					R4313	1-216-033-00		220	5%	1/10W
	<ferritbea< td=""><td>\D></td><td></td><td></td><td>R4314</td><td>1-216-049-91</td><td>KES-CHIP</td><td>1K</td><td>5%</td><td>1/10W</td></ferritbea<>	\D>			R4314	1-216-049-91	KES-CHIP	1K	5%	1/10W
		1U-			R4315	1-216-063-91	RES-CHIP	3.9K	5%	1/10W
FB4387	1-216-295-91	SHORT 0			R4316	1-216-037-00		330	5%	1/10W
FB4388	1-216-295-91				R4317	1-216-049-91		1K	5%	1/10W
FB4389	1-216-295-91	SHORT 0			R4319	1-216-073-00		10K	5%	1/10W
					R4320	1-216-689-11	RES-CHIP	39K	5%	1/10W

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REF.NO.	PART NO.	DESCRIPTIO	N	R	EMARK	REF.NO.	PART NO.	DESCRIPTIO	N	R	REMARK
R4321	1-216-105-91	RES-CHIP	220K	5%	1/10W	R4408	1-249-409-11	CARBON	220	5%	1/4W
R4322	1-216-073-00	RES-CHIP	10K	5%	1/10W	R4504	1-216-025-91	RES-CHIP	100	5%	1/10W
R4323	1-216-091-00	RES-CHIP	56K	5%	1/10W	R4514	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R4324	1-208-830-11	METAL CHIP	100K	0.5%	1/10W	R4515	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R4325	1-216-093-91	RES-CHIP	68K	5%	1/10W						
						R4516	1-216-049-91	RES-CHIP	1K	5%	1/10W
R4331	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R4517	1-216-049-91		1K	5%	1/10W
R4334	1-216-025-91		100	5%	1/10W	R4518	1-216-025-91		100	5%	1/10W
R4335	1-216-025-91		100	5%	1/10W	R4519	1-216-025-91		100	5%	1/10W
R4336	1-216-025-91	RES-CHIP	100	5%	1/10W	R4520	1-216-045-00	RES-CHIP	680	5%	1/10W
R4337	1-216-025-91		100	5%	1/10W						
						R4521	1-216-045-00	RES-CHIP	680	5%	1/10W
R4339	1-249-409-11	CARBON	220	5%	1/4W	R4522	1-216-025-91	RES-CHIP	100	5%	1/10W
R4340	1-216-111-00	RES-CHIP	390K	5%	1/10W	R4523	1-216-025-91	RES-CHIP	100	5%	1/10W
R4341	1-216-295-91		0			R4524	1-216-049-91		1K	5%	1/10W
R4343	1-216-025-91		100	5%	1/10W	R4601	1-208-291-11		4.7M	5%	1/10W
R4344	1-216-025-91		100	5%	1/10W	111001	. 200 201 11	razo or in		0,0	.,
1011	1 2 10 020 01	1120 01111	100	0,0	1, 1011	R4602	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R4345	1-216-075-00	RES_CHIP	12K	5%	1/10W	R4603	1-216-065-91		4.7K	5%	1/10W
R4346		METAL CHIP	18K		1/10W	114000	1-210-000-01	INEO-OI III	7.71	070	1, 1044
R4347	1-216-025-91		100	5%	1/10W						
R4348	1-216-025-91		100	5%	1/10W		<inductor:< td=""><td>_</td><td></td><td></td><td></td></inductor:<>	_			
R4349							-INDUCTOR				
14349	1-216-033-00	RES-CHIP	220	5%	1/10W	T4204	4 460 000 04	INDUCTOR (E	MI DEMOV	C	.D/
D4050	4 040 005 04	DEC OUID	400	E0/	1/10W	T4301	1-409-093-21	INDUCTOR (E	MI KEMOV	C LILIC	.rx)
R4350	1-216-025-91		100	5%							
R4352	1-216-073-00		10K	5%	1/10W		4ODVOTAL 5				
R4354		METAL CHIP	10K	0.5%	1/10W		<crystal></crystal>				
R4355	1-216-295-91		0	0.50/	4/4004/	V4000	4 707 407 44	VIDDATOD OF	-DANIO (5)	00 ELLI	
R4357	1-208-814-91	METAL CHIP	22K	0.5%	1/10W	X4300		VIBRATOR, CI			
D4050	4 000 004 44	METAL CLUD	0.01/	0.50/	4/40\4/						
R4358		METAL CHIP	8.2K		1/10W		+ 4 4004 000 4	14 DO ADD 0	OMBI ETE		
R4359	1-216-041-00		470	5%	1/10W		" A-1394-982-A	J1 BOARD, CO			
R4360	1-216-061-00		3.3K	5%	1/10W			***************************************			
R4361	1-216-133-00		3.3M	5%	1/10W						
R4363	1-216-025-91	RES-CHIP	100	5%	1/10W			_			
							<capacitor< td=""><td>₹></td><td></td><td></td><td></td></capacitor<>	₹>			
R4365	1-216-017-91		47	5%	1/10W						
R4366	1-216-017-91		47	5%	1/10W	C8301		CERAMIC CHI		5%	50V
R4367	1-216-017-91		47	5%	1/10W	C8302		CERAMIC CHI		5%	50V
R4370	1-216-049-91		1K	5%	1/10W	C8303		CERAMIC CHI	•	5%	50V
R4372	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	C8304		CERAMIC CHI		5%	50V
						C8305	1-163-133-00	CERAMIC CHI	P 470pF	5%	50V
R4375	1-216-033-00	RES-CHIP	220	5%	1/10W						
R4377	1-216-033-00	RES-CHIP	220	5%	1/10W	C8306	1-163-133-00	CERAMIC CHI	P 470pF	5%	50V
R4380	1-216-073-00	RES-CHIP	10K	5%	1/10W	C8307	1-163-133-00	CERAMIC CHI	P 470pF	5%	50V
R4382	1-216-073-00	RES-CHIP	10K	5%	1/10W	C8308	1-163-133-00	CERAMIC CHI	P 470pF	5%	50V
R4384	1-216-025-91	RES-CHIP	100	5%	1/10W	C8309	1-163-133-00	CERAMIC CHI	P 470pF	5%	50V
						C8310	1-163-133-00	CERAMIC CHI	P 470pF	5%	50V
R4385	1-216-129-00	RES-CHIP	2.2M	5%	1/10W				•		
R4387	1-216-017-91		47	5%	1/10W	C8311	1-164-346-11	CERAMIC CHI	P 1µF		16V
R4388	1-216-017-91		47	5%	1/10W	C8312		CERAMIC CHI			16V
R4389	1-216-017-91		47	5%	1/10W	C8313		CERAMIC CHI	•		16V
R4393	1-216-025-91		100	5%	1/10W	C8314		CERAMIC CHI			16V
114000	1-210-020-01	TALO-OTTI	100	070	1, 1011	C8315		CERAMIC CHI	•	5%	50V
R4395	1-216-295-91	SHORT	0			33010	50-100-00		орг	J /0	JJ 1
R4396	1-216-295-91		0			C8316	1_163_133_00	CERAMIC CHI	P 470nF	5%	50V
R4397	1-216-295-91		0			C8317		CERAMIC CHI			25V
			-	50 /	1/10\\						
R4400	1-216-071-00		8.2K	5%	1/10W	C8318	1-104-664-11		47µF		16V
R4401	1-216-071-00	KES-CHIP	8.2K	5%	1/10W	C8319	1-104-664-11		47µF	20%	
D4466	4 040 040 04	DE0 0: "D	417	- 0/	4/4014	C8320	7-11/-720-11	CERAMIC CHI	₽ 4./µF		10V
R4402	1-216-049-91		1K	5%	1/10W	0000:	4 44= === **	OED4440 5:::	D 4		469.6
R4403	1-216-298-00		2.2	5%	1/10W	C8321		CERAMIC CHI			10V
R4404	1-216-081-00		22K	5%	1/10W	C8322		CERAMIC CHI	•		16V
R4405	1-216-061-00		3.3K	5%	1/10W	C8323		CERAMIC CHI			16V
R4406	1-216-073-00	RES-CHIP	10K	5%	1/10W	C8324		CERAMIC CHI	•		10V
						C8325	1-126-935-11	ELECT	470µF	20%	16V
R4407	1-216-017-91	RES-CHIP	47	5%	1/10W						
						•					

J1

REF.NO.	PART NO.	DESCRIPTION	R	REMARK	REF.NO.	PART NO.	DESCRIPTION		R	EMARK
C8326	4 407 999 44	CERAMIC CHIP 0.4	7E 400/	16V	C8402	1 164 246 14	CEDAMIC CUID	4E		16V
C8326 C8327		CERAMIC CHIP 0.4 CERAMIC CHIP 1µI	•	16V 16V	C8402		CERAMIC CHIP		10%	50V
C8328		CERAMIC CHIP 1µI		16V 16V	C8405	1-103-037-11		•	20%	16V
C8329		CERAMIC CHIP 1/1		25V	C8406	1-120-955-11			20%	16V
C8330		CERAMIC CHIP 1.1		16V	C0400	1-104-004-11	LLLOI	/ μι	20 /0	100
		· · · · · · · · · · · · · · · · · · ·	•		C8407	1-104-664-11	ELECT	47µF	20%	16V
C8331	1-164-346-11	CERAMIC CHIP 1µI	F	16V	C8408	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V
C8332		CERAMIC CHIP 0.4		16V	C8409	1-126-933-11	ELECT	100µF	20%	16V
C8333		CERAMIC CHIP 4.7		10V	C8410	1-164-004-11	CERAMIC CHIP		10%	25V
C8334		CERAMIC CHIP 82		50V	C8412	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C8336	1-104-664-11	ELECT 47	µF 20%	16V						
					C8414	1-104-664-11			20%	16V
C8337		CERAMIC CHIP 0.1		25V	C8415		CERAMIC CHIP	•	400/	16V
C8338		CERAMIC CHIP 1µI		16V	C8416		CERAMIC CHIP		10%	
C8339 C8340		CERAMIC CHIP 1µI		16V 16V	C8417 C8418		CERAMIC CHIP		0.50p 20%	
C8341		CERAMIC CHIP 0.4 CERAMIC CHIP 0.4		16V 16V	C0410	1-126-964-11	ELECT	10μF	2076	500
C6341	1-107-023-11	CERAIVIIC CHIP 0.4	·/μΓ 10%	100	C8419	1 164 004 11	CERAMIC CHIP	0.1uE	10%	25V
C8342	1-126-964-11	ELECT 10	uF 20%	50V	C8424		CERAMIC CHIP		10%	50V
C8343	1-104-664-11				C8425		CERAMIC CHIP		10%	50V
C8344		CERAMIC CHIP 0.1		25V	C8437	1-126-963-11			20%	50V
C8345	1-104-664-11				C8438		CERAMIC CHIP			25V
C8346		CERAMIC CHIP 0.1		25V	00100	1 10 7 00 7 11	OLI V AVIIG GI III	о. гр.	1070	201
555.5					C8439	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C8347	1-163-133-00	CERAMIC CHIP 470	0pF 5%	50V	C8440		CERAMIC CHIP		10%	25V
C8348		CERAMIC CHIP 470		50V	C8446	1-104-664-11		•	20%	16V
C8349	1-104-664-11	ELECT 47	μ F 20%	16V	C8447	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C8350	1-164-346-11	CERAMIC CHIP 1µI	F	16V	C8448	1-164-690-91	CERAMIC CHIP	0.0022µF	5%	50V
C8351	1-164-346-11	CERAMIC CHIP 1µI	F	16V				-		
					C8450	1-107-823-11	CERAMIC CHIP	0.47µF	10%	16V
C8352	1-104-664-11	•			C8451		CERAMIC CHIP	•		16V
C8354		CERAMIC CHIP 0.4			C8453		CERAMIC CHIP		10%	25V
C8355		CERAMIC CHIP 0.0		50V	C8454		CERAMIC CHIP	•	10%	25V
C8356		CERAMIC CHIP 1µI		16V	C8455	1-104-664-11	ELECT	47µF	20%	16V
C8357	1-163-021-91	CERAMIC CHIP 0.0	11μF 10%	50V	00404	4 445 040 44	0554440 0145		400/	o=1/
00050	4 404 040 44	OFFIAMO OUID 4	=	4007	C8464		CERAMIC CHIP		10%	25V
C8358		CERAMIC CHIP 1µI		16V	C8465		CERAMIC CHIP		10%	25V
C8359 C8360		CERAMIC CHIP 0.0	•	50V 50V	C8466 C8467	1-104-664-11			20% 20%	16V 16V
C8361	1-103-021-91	CERAMIC CHIP 0.0 ELECT 2.2		50V 50V	C8468	1-104-664-11	CERAMIC CHIP		20% 10%	
C8362		CERAMIC CHIP 0.1		25V	C0400	1-115-540-11	CERAWIC CHIP	0.22µr	1076	200
C0302	1-104-004-11	CLIVAIVIIC CI IIF 0.1	μι 1076	254	C8469	1_115_340_11	CERAMIC CHIP	0.22uF	10%	25V
C8363	1-164-004-11	CERAMIC CHIP 0.1	uF 10%	25V	C8474		CERAMIC CHIP		10%	25V
C8366		CERAMIC CHIP 0.0		50V	C8477		CERAMIC CHIP			50V
C8367	1-104-664-11			16V	C8478		CERAMIC CHIP		5%	50V
C8368	1-104-664-11			16V	C8479		CERAMIC CHIP	•	5%	50V
C8369	1-104-664-11	•	!!							
		• • • • • • • • • • • • • • • • • • • •		-	C8481	1-104-664-11	ELECT	47µF	20%	16V
C8370	1-164-004-11	CERAMIC CHIP 0.1	μF 10%	25V	C8482	1-104-664-11	ELECT	•	20%	16V
C8371		CERAMIC CHIP 0.1		25V	C8483	1-104-664-11			20%	16V
C8372		CERAMIC CHIP 0.1	•	25V	C8485	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C8373	1-163-227-11	CERAMIC CHIP 10	pF 0.50p	F 50V	C8492	1-164-004-11	CERAMIC CHIP	0.1µF	10%	25V
C8374	1-164-346-11	CERAMIC CHIP 1µI	F	16V						
					C8501	1-163-113-00	CERAMIC CHIP	68pF	5%	50V
C8375	1-126-964-11			50V	C8601		CERAMIC CHIP	•		10V
C8376		CERAMIC CHIP 0.1	•	25V	C8602		CERAMIC CHIP	•		10V
C8381		CERAMIC CHIP 0.0	•	50V	C8603		CERAMIC CHIP	•		10V
C8386		CERAMIC CHIP 0.0		50V	C8604	1-117-720-11	CERAMIC CHIP	4.7µF		10V
C8390	1-126-963-11	ELECT 4.7	μF 20%	50V	00005	4 447 700 44	0554440 0145	4		40) /
00004	4 404 004 14	OFDAMO OURS A	4001	05)/	C8605		CERAMIC CHIP	•		10V
C8391		CERAMIC CHIP 0.1	•	25V	C8606		CERAMIC CHIP	•	400/	10V
C8392		CERAMIC CHIP 0.1	•	25V	C8801		CERAMIC CHIP		10%	
C8393		CERAMIC CHIP 0.1	•	25V	C8802		CERAMIC CHIP			50V
C8396		CERAMIC CHIP 0.4		16V	C8804	1-164-004-11	CERAMIC CHIP	υ.1μ -	10%	25V
C8399	1-126-961-11	ELECT 2.2	.μr 20%	50V	COOLE	4 406 000 44	ELECT	100uE	200/	16\/
C9404	1 162 021 04	CEDAMIC CUID A A	100/	50\/	C8805	1-126-933-11				16V
C8401	1-103-021-91	CERAMIC CHIP 0.0	10%	50V	C8806	1-104-004-11	CERAMIC CHIP	υ. ιμπ	10%	20V



R807	NETION DEMARK
C8809 1-126-933-11 ELECT 100µF 20% 16V D8325 8-719-056-85 DIODE I C8810 1-184-004-11 CERAMIC CHIP 0.1µF 10% 25V C8811 1-184-004-11 CERAMIC CHIP 0.1µF 10% 25V C8812 1-104-684-11 ELECT 47µF 20% 16V D8334 8-719-056-85 DIODE I C8814 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C8815 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C8816 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C8817 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C8818 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C8819 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C8810 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C8821 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C8822 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C8823 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C8824 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C8825 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C8826 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V C8828 1-164-004-11 CERAMIC CH	RIPTION REMARK
1-163-021-91 CERAMIC CHIP 0.01µF	
1-164-004-11 CERAMIC CHIP 0.1µF	
1-164-004-11 CERAMIC CHIP 0.1µF	иA111-(K8).S0
1-104-684-11 ELECT	
1-184-004-11 CERAMIC CHIP 0.1µF 10% 25V D8336 8-719-056-85 DIODE ID 258814 1-184-004-11 CERAMIC CHIP 0.1µF 10% 25V D8336 8-719-056-85 DIODE ID 258816 1-184-004-11 CERAMIC CHIP 0.1µF 10% 25V 25V 258816 1-184-004-11 CERAMIC CHIP 0.1µF 10% 25V 25V 258817 1-184-004-11 CERAMIC CHIP 0.1µF 10% 25V 25V 258818 1-184-004-11 CERAMIC CHIP 0.1µF 10% 25V 25V 258818 1-184-004-11 CERAMIC CHIP 0.1µF 10% 25V 25V 258821 1-184-004-11 CERAMIC CHIP 0.1µF 10% 25V	
1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V 108336 8-719-056-85 DIODE LEASE 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V 108337 8-719-073-01 DIODE LEASE 1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V 1-164-004-11 CERAMIC CHIP 0.1µF 10	
1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V	
1-164-004-11 CERAMIC CHIP 0.1µF	JDZ-TE-17-8.2B
1-164-004-11 CERÂMIC CHIP 0.1µF 10% 25V	viA111-(K8).S0
1-164-004-11 CERAMIC CHIP 0.1 1	
1-164-004-11 CERAMIC CHIP 0.1 μF	
1-164-004-11 CERAMIC CHIP 0.1µF	
1-184-004-11 CERAMIC CHIP 0.1µF 10% 25V 1-183-071-11 ENCAPS 1-183-071-11 ENCAPS 1-183-071-11 ENCAPS 1-183-071-11 CERAMIC CHIP 39pF 5% 50V 16V 1-183-071-11 ENCAPS 1-183-071-11 EN	
1-164-004-11 CERAMIC CHIP 0.1μF 10% 25V 1-163-241-11 CERAMIC CHIP 0.1μF 10% 25V 1-163-241-11 CERAMIC CHIP 30pF 5% 50V 1-163-241-11 CERAMIC CHIP 30pF 5% 50V 1-163-241-11 CERAMIC CHIP 30pF 5% 50V 1-163-241-11 CERAMIC CHIP 30pF 1-163-241-11 CERAMIC SCAMIC CHIP 30pF 1-163-241-11 CERAMIC SCAMIC SCAMIC SCAMIC SCAMIC SCAMI	
1-164-004-11 CERAMIC CHIP 0.1µF 10% 25V 1-168-004-11 CERAMIC CHIP 0.1µF 10% 25V 1-168-004-11 CERAMIC CHIP 0.1µF 10% 25V 1-168-26-011-11 ENCAPS 1-168-26-11 CERAMIC CHIP 9.9µF 10% 25V 1-168-26-11 CERAMIC CHIP 9.9µF 5% 50V 16V 1-168-26-11 CERAMIC CHIP 9.9µF 5% 50V 16V 1-168-26-11 CERAMIC CHIP 9.9µF 5% 50V 16V 1-168-26-011-11 ENCAPS 1-236-071-11 ENCAPS 1-	
1-164-004-11 CERAMIC CHIP 0.1 I	
1-164-004-11 CERAMIC CHIP 0.1µF	
Fl.8307 1-236-071-11 ENCAPS Fl.8308 1-236-071-11 ENCAPS Fl.8309 1-236-071-11 ENCAPS Fl.8309 1-236-071-11 ENCAPS Fl.8309 1-236-071-11 ENCAPS Fl.8309 1-236-071-11 ENCAPS Fl.8301 1-236-071-11 ENCAPS Fl.8311 1-236-071-11 ENCAPS Fl.8312 1-238-071-11 ENCAPS Fl.8312 1-233-504-21 Fl.1ERC Fl.8315 1-233-604-21 Fl.1ERC Fl.8315 1-233-765-21 Fl.1ERC Fl.8316 1-233-765-21 Fl.1ERC Fl.8301 1-233-765-21 Fl.1ERC Fl.8301 1-233-765-21 Fl.1ERC Fl.8315 1-233-765-21 Fl.1ERC Fl.8301	SULATED COMPONENT
1-104-664-11 ELECT 47μF 20% 16V FL8309 1-236-071-11 ENCAPS 58829 1-163-241-11 CERAMIC CHIR 39pF 5% 50V FL8309 1-236-071-11 ENCAPS FL8310 1-236-071-11 ENCAPS FL8311 1-233-504-21 FILTER, FL8311 1-233-504-21 FILTER, FL8313 1-233-504-21 FILTER, FL8314 1-233-504-21 FILTER, FL8315 1-233-504-21 FILTER, FL8315 1-233-504-21 FILTER, FL8315 1-233-504-21 FILTER, FL8310 1-236-071-11 ENCAPS FL8801 1-236-071-11 ENCAPS FL8801 1-236-071-11 ENCAPS FL8801 1-233-504-21 FILTER, FL8801 1-233-504-21 FILTER, FL8801 1-233-504-21 FILTER, FL8801 1-233-504-21 FILTER, FL8801 1-233-607-1-11 ENCAPS FL8802 1-236-071-11 ENCAPS FL8802 1-236-071-11 ENCAPS FL8802 1-236-071-11 ENCAPS FL8801 1-233-504-21 FILTER, FL891 1-233-504-21 FILTER, FL891 1-233-504-21 FILTER, FL891 1-233-504-21 FILTER, FL891 1-233-765-21 FILTER, FL8904 1-233-766-21 FILTE	SULATED COMPONENT
1-163-241-11 CERAMIC CHIP 39pF 5% 50V 1-104-664-11 ELECT 47μF 20% 16V FL8309 1-236-071-11 ENCAPS FL8310 1-236-071-11 ENCAPS FL8311 1-238-071-11 ENCAPS FL8311 1-238-071-11 ENCAPS FL8311 1-238-071-11 ENCAPS FL8311 1-233-671-11 ENCAPS FL83	
1-104-664-11 ELECT	
CONNECTOR> CONNECTOR> CONNECTOR> CONNECTOR> CONNECTOR> CONNECTOR> CONNECTOR> CONNECTOR> CONNECTOR> CONNECTOR BOARD TO BOARD 50P CONNECTOR 11P CON	
File	SULATED COMPONENT
File	I OW DASS
1-695-302-11 CONNECTOR, BOARD TO BOARD 50P FL8315 1-233-504-21 FILTER, FL8801 1-236-071-11 ENCAPS FL8802 1-233-765-21 FILTER FL8804 1-233-766-21 FILTER FL8804 1-233-766-21 FILTER FL8804 1-233-766-21 FILTER FL8805 1-233-768-21 FILTER FL8804 1-233-768-21 FILTER FL8805 1-233-768-21 FILTER FL8804 1-233-768-21 FILTER FL8804 1-233-766-21 FILTER FL8805 1-233-766-21 FILTER FL8804 1-233-7	
N8301 * 1-564-526-31 PLUG, CONNÉCTOR 11P **DIODE>** **CDIODE>** **CDIODE>** **CDIODE>** **CDIODE>** **CDIODE** **CD	
FL8802	
Ref	SULATED COMPONENT
R8101 8-719-977-69 DIODE DTZ24B FL8805 1-233-766-21 FILTER R8102 8-719-977-69 DIODE DTZ24B R8103 8-719-977-69 DIODE DTZ24B R8104 8-719-977-69 DIODE DTZ24B R8104 8-719-977-69 DIODE DTZ24B R8301 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8302 8-752-080-04 IC CXA2 R8303 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8304 8-759-242-76 IC TC7W R8304 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8305 8-759-242-76 IC TC7W R8304 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8306 8-752-096-08 IC CXA2 R8306 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8308 8-752-096-08 IC CXA2 R8307 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8309 8-759-337-26 IC MM1* R8307 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8311 8-759-576-72 IC LF506 R8310 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8311 8-759-576-72 IC LF506 R8311 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8312 8-759-576-72 IC LF506 R8313 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8301 8-759-376-72 IC LF506 R8313 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8301 8-759-376-72 IC LF506 R8316 8-719-914-42 DIODE DA204K J8303 1-774-746-11 JACK BI J8304 1-774-746-11 JACK BI J8307 8-719-056-85 DIODE UDZ-TE-17-8.2B J8301 1-774-746-11 JACK BI J8308 8-719-056-85 DIODE UDZ-TE-17-8.2B J8301 1-565-838-11 JACK BI J8302 8-719-056-85 D	
Result	
8-719-977-69 DIODE DTZ24B 8-719-977-69 DIODE DTZ24B 8-719-977-69 DIODE DTZ24B 8-719-977-69 DIODE DTZ24B 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8302	
10 10 10 10 10 10 10 10	
Ref	
08301 8-719-056-85 DIODE UDZ-TE-17-8.2B 08302 8-719-056-85 DIODE UDZ-TE-17-8.2B 08303 8-719-056-85 DIODE UDZ-TE-17-8.2B 08304 8-719-056-85 DIODE UDZ-TE-17-8.2B 08305 8-719-056-85 DIODE UDZ-TE-17-8.2B 08306 8-719-056-85 DIODE UDZ-TE-17-8.2B 08307 8-719-056-85 DIODE UDZ-TE-17-8.2B 08308 8-719-056-85 DIODE UDZ-TE-17-8.2B 08309 8-719-056-85 DIODE UDZ-TE-17-8.2B 08309 8-719-056-85 DIODE UDZ-TE-17-8.2B 08309 8-719-056-85 DIODE UDZ-TE-17-8.2B 08310 8-719-056-85 DIODE UDZ-TE-17-8.2B 08311 8-719-056-85 DIODE UDZ-TE-17-8.2B 08312 8-719-056-85 DIODE UDZ-TE-17-8.2B 08313 8-719-056-85 DIODE UDZ-TE-17-8.2B 08314 8-719-056-85 DIODE UDZ-TE-17-8.2B 08315 8-719-056-85 DIODE UDZ-TE-17-8.2B 08316 8-719-914-42 DIODE DA204K 08317 8-719-914-42 DIODE DA204K 08318 8-719-056-85 DIODE UDZ-TE-17-8.2B 08319 8-719-056-85 DIODE UDZ-TE-17-8.2B	
IC8302	
108302 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8304 8-759-242-76 IC TC7W 108303 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8305 8-759-242-76 IC TC7W 108304 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8306 8-752-096-08 IC CXA2 108306 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8308 8-752-096-08 IC CXA2 108307 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8309 8-759-337-26 IC MM1* 108308 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8310 8-759-572-04 IC TDA9 108309 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8311 8-759-576-72 IC LF500 108310 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8312 8-759-576-72 IC LF500 108311 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8312 8-759-576-72 IC LF500 108312 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8311 8-752-390-37 IC CXD2 108313 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8311 IC8309 IC8312 IC8312 IC8312 IC8312 IC8312 IC8312 IC8312 IC8312 IC8312 IC8313	2069Q
108303 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8305 8-759-242-76 IC TC7M	
108304 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8306 8-752-096-08 IC CXA2 IC8306 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8308 8-752-096-08 IC CXA2 IC8309 8-759-337-26 IC MM1 IC8310 8-759-572-04 IC TDA9 IC8310 8-759-572-04 IC TDA9 IC8311 8-759-576-72 IC LF500 IC8312 8-759-576-	
108305 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8308 8-752-096-08 IC CXA2 108306 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8309 8-759-337-26 IC MM1** 108307 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8310 8-759-572-04 IC TDA9 108308 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8311 8-759-576-72 IC LF500 108310 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8312 8-759-576-72 IC LF500 108311 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8312 8-759-576-72 IC CXD2 108312 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8313 8-719-056-85 DIODE UDZ-TE-17-8.2B 108313 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8301 8-752-390-37 IC CXD2 108314 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8301 IC8	
108306 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8309 8-759-337-26 IC MM12 IC8307 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8310 8-759-572-04 IC TDA9 IC8310 8-759-576-72 IC LF504 IC8310 8-759-576-72 IC LF504 IC8311 8-759-390-37 IC CXD24 IC8311 8-759-576-72 IC LF504 IC8312 8-759-576-72 IC LF504 IC8311 8-759-576-72 IC LF504 IC8311 8-759-576-72 IC LF504 IC8312 8-759-576-72 IC LF504 IC8312 8-759-576-72 IC LF504 IC8311	
18307 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8310 8-759-572-04 IC TDA9 IC8308 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8311 8-759-576-72 IC LF506 IC8310 8-759-576-72 IC LF506 IC8310 8-759-576-72 IC LF506 IC8311 8-759-576-72 IC LF506 IC8312 8-759-576-72 IC LF506 IC8312 8-759-576-72 IC LF506 IC8312 8-759-576-72 IC LF506 IC8311 IC8311 8-759-576-72 IC LF506 IC8311	
18308 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8311 8-759-576-72 IC LF500 IC8319 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8312 8-759-576-72 IC LF500 IC8310 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8311 8-759-576-72 IC LF500 IC8312 8-759-576-72 IC LF50	
18309 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8312 8-759-576-72 IC LF500 IC8310 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8311 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8312 8-752-390-37 IC CXD2 IC8313 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8314 8-719-056-85 DIODE UDZ-TE-17-8.2B IC8315 8-719-914-42 DIODE DA204K IC8316 8-719-914-42 DIODE DA204K IC8316 IC8317 8-719-914-42 DIODE DA204K IC8317 IC8318 IC8317 IC8312 IC8311 IC8312	
8310 8-719-056-85 DIODE UDZ-TE-17-8.2B 8311 8-719-056-85 DIODE UDZ-TE-17-8.2B 8312 8-719-056-85 DIODE UDZ-TE-17-8.2B 8313 8-719-056-85 DIODE UDZ-TE-17-8.2B 8314 8-719-056-85 DIODE UDZ-TE-17-8.2B 8315 8-719-914-42 DIODE DA204K 8316 8-719-914-42 DIODE DA204K 8317 8-719-914-42 DIODE DA204K 8318 8-719-056-85 DIODE UDZ-TE-17-8.2B 8319 8-719-056-85 DIODE UDZ-TE-17-8.2B 8319 8-719-056-85 DIODE UDZ-TE-17-8.2B 8320 8-719-056-85 DIODE UDZ-TE-17-8.2B	
8311 8-719-056-85 DIODE UDZ-TE-17-8.2B 8312 8-719-056-85 DIODE UDZ-TE-17-8.2B 8313 8-719-056-85 DIODE UDZ-TE-17-8.2B 8314 8-719-056-85 DIODE UDZ-TE-17-8.2B 8315 8-719-914-42 DIODE DA204K 8316 8-719-914-42 DIODE DA204K 8317 8-719-914-42 DIODE DA204K 8318 8-719-056-85 DIODE UDZ-TE-17-8.2B 8319 8-719-056-85 DIODE UDZ-TE-17-8.2B 8320 8-719-056-85 DIODE UDZ-TE-17-8.2B	
8312 8-719-056-85 DIODE UDZ-TE-17-8.2B 8313 8-719-056-85 DIODE UDZ-TE-17-8.2B 8314 8-719-056-85 DIODE UDZ-TE-17-8.2B 8315 8-719-914-42 DIODE DA204K 8316 8-719-914-42 DIODE DA204K 8317 8-719-914-42 DIODE DA204K 8318 8-719-056-85 DIODE UDZ-TE-17-8.2B 8319 8-719-056-85 DIODE UDZ-TE-17-8.2B 8320 8-719-056-85 DIODE UDZ-TE-17-8.2B	2064Q-T6
8313 8-719-056-85 DIODE UDZ-TE-17-8.2B 8314 8-719-056-85 DIODE UDZ-TE-17-8.2B 8315 8-719-914-42 DIODE DA204K 8316 8-719-914-42 DIODE DA204K 8317 8-719-914-42 DIODE DA204K 8318 8-719-056-85 DIODE UDZ-TE-17-8.2B 8319 8-719-056-85 DIODE UDZ-TE-17-8.2B 8320 8-719-056-85 DIODE UDZ-TE-17-8.2B	
8314 8-719-056-85 DIODE UDZ-TE-17-8.2B J8301 1-774-748-11 TERMIN J8315 8-719-914-42 DIODE DA204K J8302 1-774-746-11 JACK BI J8303 1-774-746-11 JACK BI J8304 1-774-746-11 JACK BI J8308 1-774-746-11 JACK BI J8308 1-774-746-11 JACK BI J8308	
8315 8-719-914-42 DIODE DA204K 8316 8-719-914-42 DIODE DA204K 8317 8-719-914-42 DIODE DA204K 8318 8-719-956-85 DIODE UDZ-TE-17-8.2B 8319 8-719-056-85 DIODE UDZ-TE-17-8.2B 8320 8-719-056-85 DIODE UDZ-TE-17-8.2B	
8316 8-719-914-42 DIODE DA204K J8303 1-774-746-11 JACK BI 8317 8-719-914-42 DIODE DA204K J8305 1-774-358-11 JACK BI 8318 8-719-056-85 DIODE UDZ-TE-17-8.2B 8319 8-719-056-85 DIODE UDZ-TE-17-8.2B J8901 1-565-838-11 JACK BI 8320 8-719-056-85 DIODE UDZ-TE-17-8.2B	IAL BLOCK, S (VIDEO IN 1)
B317 8-719-914-42 DIODE DA204K	LOCK, PIN (VIDEO IN 2)
8317 8-719-914-42 DIODE DA204K 8318 8-719-056-85 DIODE UDZ-TE-17-8.2B 8319 8-719-056-85 DIODE UDZ-TE-17-8.2B 8320 8-719-056-85 DIODE UDZ-TE-17-8.2B	LOCK, PIN (VIDEO IN 3)
8318 8-719-056-85 DIODE UDZ-TE-17-8.2B 8319 8-719-056-85 DIODE UDZ-TE-17-8.2B J8901 1-565-838-11 JACK BI 8320 8-719-056-85 DIODE UDZ-TE-17-8.2B	LOCK, PIN (MONITOR OUT)
8319 8-719-056-85 DIODE UDZ-TE-17-8.2B J8901 1-565-838-11 JACK BI 8320 8-719-056-85 DIODE UDZ-TE-17-8.2B	LOCK, PIN (COMPONENT IN)
8320 8-719-056-85 DIODE UDZ-TE-17-8.2B	,
8320 8-719-056-85 DIODE UDZ-TE-17-8.2B	LOCK, PIN 2P (AUDIO OUT)
	•
COIL>* 8322 8-719-056-85 DIODE UDZ-TE-17-8.2B	
18322 8-719-056-85 DIODE UDZ-TE-17-8.2B 18323 8-719-056-85 DIODE UDZ-TE-17-8.2B L8101 1-402-711-11 INDUCT	OR 0µH

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	ı	R	EMARK
L8102	1-402-711-11	INDUCTOR	OuH	Q8426	8-729-120-28	TRANSISTOR 2	2SC1623-L5	L6	
L8304	1-412-029-11	INDUCTOR CHIP	10μH	Q8601	8-729-120-28	TRANSISTOR 2	2SC1623-L5	_6	
L8305	1-414-196-41	INDUCTOR	47μH	Q8602	8-729-120-28	TRANSISTOR 2	2SC1623-L5	_6	
L8306	1-414-196-41	INDUCTOR	47μH	Q8603		TRANSISTOR 2			
1 0207	1 444 406 44	INDUCTOR	47	Q8604	8-729-026-49	TRANSISTOR 2	2SA1037AK-	T-146	-R
L8307 L8501	1-414-196-41 1-412-029-11	INDUCTOR CHIP	47μH 10μH	Q8605	8-729-120-28	TRANSISTOR 2	2SC1623-L5	L6	
L8801		INDUCTOR CHIP	10µH	Q8606		TRANSISTOR 2			
L8802		INDUCTOR CHIP	10µH	Q8607		TRANSISTOR 2			
			•	Q8801	8-729-120-28	TRANSISTOR 2	2SC1623-L5	_6	
		_		Q8802	8-729-026-49	TRANSISTOR 2	2SA1037AK-	T-146	-R
	<transisto< td=""><td>DK></td><td></td><td>Q8803</td><td>8_720_026_40</td><td>TRANSISTOR 2</td><td>25A1037AK</td><td>T-146</td><td>_D</td></transisto<>	DK>		Q8803	8_720_026_40	TRANSISTOR 2	25A1037AK	T-146	_D
Q8301	8-729-026-49	TRANSISTOR 2SA	1037AK-T-146-R	Q8804		TRANSISTOR			
Q8302		TRANSISTOR 2SC		Q8805		TRANSISTOR 2			
Q8303		TRANSISTOR 2SC		Q8807		TRANSISTOR 2			••
Q8304		TRANSISTOR 2SC		Q8808		TRANSISTOR 2			-R
Q8306	8-729-120-28	TRANSISTOR 2SC	C1623-L5L6						
				Q8809		TRANSISTOR 2			-R
Q8307		TRANSISTOR 2SA		Q8810		TRANSISTOR 2			
Q8308		TRANSISTOR 2SC		Q8811	8-729-120-28	TRANSISTOR 2	2SC1623-L5	∟6	
Q8309		TRANSISTOR 2SC							
Q8316		TRANSISTOR 2SC			-DEGISTOR				
Q8317	8-729-026-49	TRANSISTOR 2SA	1037AK-T-146-R		<resistor></resistor>	•			
Q8318	8-729-120-28	TRANSISTOR 2SC	1623-L5L6	R8301	1-216-041-00	RES-CHIP	470	5%	1/10W
Q8319	8-729-120-28	TRANSISTOR 2SC	1623-L5L6	R8302	1-216-041-00	RES-CHIP	470	5%	1/10W
Q8321	8-729-120-28	TRANSISTOR 2SC	:1623-L5L6	R8303	1-216-021-00	RES-CHIP	68	5%	1/10W
Q8322	8-729-120-28	TRANSISTOR 2SC	C1623-L5L6	R8304	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
Q8323	8-729-026-49	TRANSISTOR 2SA	1037AK-T-146-R	R8305	1-216-105-91	RES-CHIP	220K	5%	1/10W
Q8324	8-729-120-28	TRANSISTOR 2SO	:1623-L5L6	R8306	1-216-022-00	RES-CHIP	75	5%	1/10W
Q8326		TRANSISTOR 2SC		R8307	1-216-022-00		75	5%	1/10W
Q8327	1-801-806-11	TRANSISTOR DTO	C144EKA	R8308	1-216-105-91	RES-CHIP	220K	5%	1/10W
Q8328	1-801-806-11	TRANSISTOR DTO	C144EKA	R8309	1-216-105-91	RES-CHIP	220K	5%	1/10W
Q8332	8-729-026-49	TRANSISTOR 2SA	1037AK-T-146-R	R8310	1-216-022-00	RES-CHIP	75	5%	1/10W
Q8338	8-729-120-28	TRANSISTOR 2SO	:1623-1.51.6	R8311	1-216-105-91	RES-CHIP	220K	5%	1/10W
Q8340		TRANSISTOR 2SC		R8312	1-216-105-91		220K	5%	1/10W
Q8401		TRANSISTOR 2SC		R8313	1-216-022-00		75	5%	1/10W
Q8402	8-729-120-28	TRANSISTOR 2SC	1623-L5L6	R8314	1-216-105-91	RES-CHIP	220K	5%	1/10W
Q8405	8-729-026-49	TRANSISTOR 2SA	1037AK-T-146-R	R8315	1-216-105-91	RES-CHIP	220K	5%	1/10W
Q8406	8_720_026_40	TRANSISTOR 2SA	10374K-T-146-R	R8316	1-216-113-00	RES-CHIP	470K	5%	1/10W
Q8407		TRANSISTOR 2SA		R8317	1-216-022-00		75	5%	1/10W
Q8408		TRANSISTOR 2SC		R8318	1-216-022-00		75	5%	1/10W
Q8409		TRANSISTOR 2SA		R8319	1-216-022-00		75	5%	1/10W
Q8410	8-729-120-28	TRANSISTOR 2SC	1623-L5L6	R8320	1-216-105-91	RES-CHIP	220K	5%	1/10W
Q8411	9.720.026.40	TRANSISTOR 2SA	10374K-T-146-D	R8321	1-216-105-91		220K	5%	1/10W
Q8412		TRANSISTOR 23A		R8322	1-216-022-00		75	5%	1/10W
Q8413		TRANSISTOR DTO		R8323	1-216-025-91		100	5%	1/10W
Q8414		TRANSISTOR DTO		R8324	1-216-025-91		100	5%	1/10W
Q8415		TRANSISTOR 2SC		R8325	1-216-025-91		100	5%	1/10W
00440	0.700.400.00	TDANIOIOTOD 000	14000 LELO	DOOOC	4 040 405 04	DEO OLUD	00016	E0/	4/40\4/
Q8416 Q8417		TRANSISTOR 2SC TRANSISTOR 2SC		R8326 R8327	1-216-105-91 1-216-025-91		220K 100	5% 5%	1/10W 1/10W
Q8417 Q8418		TRANSISTOR 2SC		R8328	1-216-025-91		470K	5% 5%	1/10W
Q8419		TRANSISTOR 2SA		R8329	1-216-113-00		470K 470K	5% 5%	1/10W
Q8420		TRANSISTOR 25A		R8330	1-216-022-00		75	5%	1/10W
00404	0.700.000.00	TRANSISTES OF	4007AV T 440 F	D0004	4 040 00= 01	DE0 0: "E	400	E0/	4/400**
Q8421		TRANSISTOR 2SA		R8331	1-216-025-91		100	5% 5%	1/10W
Q8422 Q8423		TRANSISTOR 2SA TRANSISTOR 2SA		R8332 R8333	1-216-025-91 1-216-025-91		100 100	5% 5%	1/10W 1/10W
Q8424		TRANSISTOR 2SA		R8334	1-216-025-91		100	5% 5%	1/10W
Q8425		TRANSISTOR 250		R8335	1-216-025-91		4.7K	5%	1/10W
JU .20	- 120 120 20			1.0000	. 2.0 000 01			5,0	.,
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REF.NO.	PART NO.	DESCRIPTIO	N	R	EMARK	REF.NO.	PART NO.	DESCRIPTION	N	R	EMARK
R8336	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R8398	1-216-025-91	RES-CHIP	100	5%	1/10W
R8337	1-216-022-00	RES-CHIP	75	5%	1/10W	R8399	1-216-025-91	RES-CHIP	100	5%	1/10W
R8338	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R8400	1-216-025-91	RES-CHIP	100	5%	1/10W
R8339	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R8401	1-216-017-91	RES-CHIP	47	5%	1/10W
R8340	1-216-065-91	RES-CHIP	4.7K	5%	1/10W						
						R8402	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R8341	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R8403	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R8342	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R8404	1-216-025-91		100	5%	1/10W
R8343	1-216-065-91		4.7K	5%	1/10W	R8405	1-216-033-00	RES-CHIP	220	5%	1/10W
R8344	1-216-022-00		75	5%	1/10W	R8406	1-216-033-00		220	5%	1/10W
R8345	1-216-025-91		100	5%	1/10W						
						R8407	1-216-033-00	RES-CHIP	220	5%	1/10W
R8346	1-216-025-91	RES-CHIP	100	5%	1/10W	R8408	1-216-033-00	RES-CHIP	220	5%	1/10W
R8347	1-216-025-91	RES-CHIP	100	5%	1/10W	R8409	1-216-295-91	SHORT	0		
R8348	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R8410	1-216-295-91	SHORT	0		
R8349	1-216-049-91		1K	5%	1/10W	R8411	1-216-083-00		27K	5%	1/10W
R8350	1-216-049-91		1K	5%	1/10W						
						R8412	1-216-025-91	RES-CHIP	100	5%	1/10W
R8351	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R8413	1-216-041-00		470	5%	1/10W
R8352	1-216-065-91		4.7K	5%	1/10W	R8414		METAL CHIP	3.9K		1/10W
R8353	1-216-295-91		0			R8417	1-216-025-91		100	5%	1/10W
R8354	1-216-041-00		470	5%	1/10W	R8418	1-216-025-91		100	5%	1/10W
R8355	1-216-017-91		47	5%	1/10W	1.0				0,0	.,
. 10000			••	0,0	.,	R8419	1-216-017-91	RES-CHIP	47	5%	1/10W
R8356	1-216-017-91	RES-CHIP	47	5%	1/10W	R8420	1-216-017-91		47	5%	1/10W
R8357	1-216-041-00		470	5%	1/10W	R8421	1-216-295-91		0	0,0	.,
R8362		METAL CHIP	430		1/10W	R8422	1-216-295-91		Ŏ		
R8363		METAL CHIP	470		1/10W	R8424	1-216-083-00		27K	5%	1/10W
R8364	1-216-041-00		470	5%	1/10W	110424	1-210-003-00	INEO-OI III	2/10	370	1/1044
110007	1-210-0-11-00	INLO-OHIII	7/0	370	1/1044	R8425	1-216-089-91	RES_CHIP	47K	5%	1/10W
R8365	1-216-067-00	DES-CHID	5.6K	5%	1/10W	R8426		METAL CHIP	3.9K		1/10W
R8366	1-216-067-00		5.6K	5%	1/10W	R8427	1-216-295-91		0	0.576	1/1044
R8367	1-216-041-00		470	5%	1/10W	R8428	1-216-295-91		Ö		
R8368			470						0		
R8369	1-216-041-00 1-216-295-91		0	5%	1/10W	R8431	1-216-295-91	SHOKI	U		
10309	1-2 10-295-9 1	SHUKI	U			R8432	1-216-295-91	CHODE	0		
D0270	4 046 005 04	DEC CUID	400	E0/	4 /4 OVA/					E0/	4/40\4/
R8370 R8373	1-216-025-91		100	5% 5%	1/10W 1/10W	R8436 R8437	1-216-017-91		47	5% 5%	1/10W 1/10W
	1-216-039-00		390 470				1-208-291-11		4.7M		
R8374	1-216-041-00		470 47	5%	1/10W	R8438	1-208-291-11		4.7M	5%	1/10W
R8375	1-216-017-91		47	5%	1/10W	R8439	1-208-291-11	KES-CHIP	4.7M	5%	1/10W
R8376	1-216-049-91	RES-CHIP	1K	5%	1/10W	D0440	4 000 004 44	DEC CUID	4 714	E0/	4/40\4/
D0077	4 040 005 04	DEO OLUD	400	E0/	4/4014/	R8440	1-208-291-11		4.7M	5%	1/10W
R8377	1-216-025-91		100	5%	1/10W	R8441	1-208-291-11		4.7M	5%	1/10W
R8378	1-216-033-00		220	5%	1/10W	R8443	1-216-025-91		100	5%	1/10W
R8379	1-216-033-00		220	5%	1/10W	R8444	1-216-025-91		100	5%	1/10W
R8380	1-216-025-91		100	5%	1/10W	R8445	1-216-017-91	RES-CHIP	47	5%	1/10W
R8381	1-216-025-91	RES-CHIP	100	5%	1/10W		4 040 000 04	011007			
					4440104	R8446	1-216-295-91		0		4440144
R8382	1-216-033-00		220	5%	1/10W	R8447	1-216-041-00		470	5%	1/10W
R8383	1-216-033-00		220	5%	1/10W	R8448	1-216-033-00		220	5%	1/10W
R8384	1-216-025-91		100	5%	1/10W	R8449	1-216-041-00		470	5%	1/10W
R8385	1-216-025-91		100	5%	1/10W	R8451	1-216-041-00	RES-CHIP	470	5%	1/10W
R8386	1-216-025-91	RES-CHIP	100	5%	1/10W						
						R8452	1-216-041-00	RES-CHIP	470	5%	1/10W
R8387	1-216-017-91	RES-CHIP	47	5%	1/10W	R8453	1-216-033-00	RES-CHIP	220	5%	1/10W
R8388	1-216-031-00	RES-CHIP	180	5%	1/10W	R8454	1-216-041-00	RES-CHIP	470	5%	1/10W
R8389	1-216-033-00	RES-CHIP	220	5%	1/10W	R8455	1-216-041-00	RES-CHIP	470	5%	1/10W
R8390	1-216-017-91	RES-CHIP	47	5%	1/10W	R8456	1-216-041-00	RES-CHIP	470	5%	1/10W
R8391	1-216-017-91	RES-CHIP	47	5%	1/10W						
						R8458	1-216-049-91	RES-CHIP	1K	5%	1/10W
R8392	1-216-017-91	RES-CHIP	47	5%	1/10W	R8461	1-216-049-91	RES-CHIP	1K	5%	1/10W
R8393	1-216-017-91	RES-CHIP	47	5%	1/10W	R8464	1-216-041-00	RES-CHIP	470	5%	1/10W
R8394	1-216-025-91	RES-CHIP	100	5%	1/10W	R8465	1-216-089-91	RES-CHIP	47K	5%	1/10W
R8395	1-216-033-00		220	5%	1/10W	R8466	1-216-089-91	RES-CHIP	47K	5%	1/10W
R8396	1-216-033-00		220	5%	1/10W						
						R8467	1-216-113-00	RES-CHIP	470K	5%	1/10W
R8397	1-216-025-91	RES-CHIP	100	5%	1/10W	R8468	1-216-113-00		470K	5%	1/10W
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REF.NO.	PART NO.	DESCRIPTION	ı	R	EMARK	REF.NO.	PART NO.	DESCRIPTION	I	R	EMARK
			-								
R8469	1-216-049-91	RES-CHIP	1K	5%	1/10W	R8572	1-216-049-91	RES-CHIP	1K	5%	1/10W
R8470	1-216-069-00	RES-CHIP	6.8K	5%	1/10W	R8573	1-208-776-11	METAL CHIP	560	0.5%	1/10W
R8471	1-216-069-00	RES-CHIP	6.8K	5%	1/10W						
						R8574		METAL CHIP	5.6K		1/10W
R8472	1-216-057-00		2.2K	5%	1/10W	R8575	1-216-049-91		1K	5%	1/10W
R8473	1-216-025-91		100	5%	1/10W	R8577	1-216-295-91		0		4/40044
R8478	1-216-089-91		47K	5%	1/10W	R8580	1-216-025-91		100	5%	1/10W
R8479	1-216-097-91		100K	5%	1/10W	R8581	1-216-049-91	RES-CHIP	1K	5%	1/10W
R8480	1-216-073-00	RES-CHIP	10K	5%	1/10W	R8582	1 209 776 11	METAL CHIP	560	0.5%	1/10W
R8481	1-216-095-00	RES_CHIP	82K	5%	1/10W	R8583		METAL CHIP	5.6K		1/10W
R8482	1-216-093-00		47K	5%	1/10W	R8584	1-216-049-91		1K	5%	1/10W
R8484	1-216-045-00		680	5%	1/10W	R8586	1-216-295-91		0	070	1,1011
R8485	1-216-013-00		33	5%	1/10W	R8589	1-216-025-91		100	5%	1/10W
R8487	1-216-045-00		680	5%	1/10W						
						R8590	1-216-049-91	RES-CHIP	1K	5%	1/10W
R8488	1-216-041-00	RES-CHIP	470	5%	1/10W	R8591	1-208-776-11	METAL CHIP	560	0.5%	1/10W
R8490	1-216-049-91	RES-CHIP	1K	5%	1/10W	R8592	1-208-800-11	METAL CHIP	5.6K	0.5%	1/10W
R8494	1-216-295-91	SHORT	0			R8593	1-216-049-91	RES-CHIP	1K	5%	1/10W
R8496	1-216-025-91		100	5%	1/10W	R8595	1-216-295-91	SHORT	0		
R8502	1-216-295-91	SHORT	0								
						R8596	1-216-295-91		0		
R8503	1-216-057-00		2.2K	5%	1/10W	R8601	1-216-089-91		47K	5%	1/10W
R8504	1-216-025-91		100	5%	1/10W	R8602	1-216-025-91		100	5%	1/10W
R8510	1-216-049-91		1K	5%	1/10W	R8603	1-216-097-91		100K	5% 5%	1/10W
R8514 R8515	1-216-295-91 1-216-295-91		0			R8604	1-216-049-91	RES-CHIP	1K	5%	1/10W
10010	1-2 10-250-5 1	SHOKI	U			R8605	1-216-089-91	DES-CHID	47K	5%	1/10W
R8519	1-216-025-91	RES-CHIP	100	5%	1/10W	R8606	1-216-025-91		100	5%	1/10W
R8523	1-216-049-91		1K	5%	1/10W	R8607	1-216-097-91		100K	5%	1/10W
R8525	1-216-025-91		100	5%	1/10W	R8608	1-216-049-91		1K	5%	1/10W
R8526	1-216-037-00		330	5%	1/10W	R8609	1-216-089-91		47K	5%	1/10W
R8529	1-216-049-91		1K	5%	1/10W						
						R8610	1-216-025-91	RES-CHIP	100	5%	1/10W
R8530	1-216-025-91	RES-CHIP	100	5%	1/10W	R8611	1-216-097-91	RES-CHIP	100K	5%	1/10W
R8531	1-216-295-91	SHORT	0			R8612	1-216-049-91	RES-CHIP	1K	5%	1/10W
R8535	1-216-049-91		1K	5%	1/10W	R8613	1-216-033-00		220	5%	1/10W
R8536	1-216-025-91		100	5%	1/10W	R8614	1-216-031-00	RES-CHIP	180	5%	1/10W
R8537	1-216-025-91	RES-CHIP	100	5%	1/10W	D0045	4 040 005 04	DE0 0111D	100	=0/	4/4004/
DOFOO	4 040 005 04	DEG OLUD	400	50 /	4/40\4/	R8615	1-216-025-91		100	5%	1/10W
R8539	1-216-025-91		100	5%	1/10W	R8616	1-216-295-91		0 47K	E0/	4/40\\
R8542 R8543	1-216-041-00 1-216-039-00		470 390	5% 5%	1/10W 1/10W	R8617 R8618	1-216-089-91 1-216-097-91		47K 100K	5% 5%	1/10W 1/10W
R8544	1-216-041-00		470	5% 5%	1/10W	R8619	1-216-025-91		100K	5% 5%	1/10W
R8545	1-216-049-91		1K	5%	1/10W	10013	1-210-025-31	INLO-OI III	100	370	17 10 44
1100-10	121004001	TALO OTTO	IIX	0,0	1, 1011	R8620	1-216-049-91	RES-CHIP	1K	5%	1/10W
R8546	1-216-295-91	SHORT	0			R8621	1-216-089-91		47K	5%	1/10W
R8547	1-216-295-91		Ö			R8622	1-216-097-91		100K	5%	1/10W
R8548	1-216-025-91		100	5%	1/10W	R8623	1-216-025-91		100	5%	1/10W
R8552	1-216-049-91		1K	5%	1/10W	R8624	1-216-049-91	RES-CHIP	1K	5%	1/10W
R8554	1-216-025-91	RES-CHIP	100	5%	1/10W						
						R8625	1-216-089-91	RES-CHIP	47K	5%	1/10W
R8555	1-208-774-11	METAL CHIP	470		1/10W	R8626	1-216-097-91	RES-CHIP	100K	5%	1/10W
R8556	1-216-081-00		22K	5%	1/10W	R8627	1-216-025-91		100	5%	1/10W
R8557		METAL CHIP	270		1/10W	R8628	1-216-049-91		1K	5%	1/10W
R8558	1-216-081-00		22K	5%	1/10W	R8629	1-216-295-91	SHORT	0		
R8559	1-216-049-91	RES-CHIP	1K	5%	1/10W						
D0504	4 040 005 01	DEO OLUB	400	E01	4/40344	R8630		METAL CHIP	200		1/10W
R8561	1-216-025-91		100	5%	1/10W	R8631	1-216-033-00		220	5% 5%	1/10W
R8562 R8563	1-216-043-91 1-216-081-00		560	5%	1/10W	R8632 R8633	1-216-025-91 1-216-025-91		100	5% 5%	1/10W
R8564	1-216-081-00		22K 220	5% 5%	1/10W 1/10W	R8634	1-216-025-91		100 100	5% 5%	1/10W 1/10W
R8565	1-216-033-00		22K	5% 5%	1/10W	1.0034	1-210-020-81	NEO-CITIF	100	J /0	1/1044
110000	· 2 10-00 1-00	I VEO-OI III		U /U	., 1044	R8801	1-216-017-91	RES-CHIP	47	5%	1/10W
R8566	1-216-049-91	RES-CHIP	1K	5%	1/10W	R8803	1-216-075-00		12K	5%	1/10W
R8568	1-216-295-91		0	2,0		R8804	1-216-069-00		6.8K	5%	1/10W
R8571	1-216-025-91		100	5%	1/10W	R8805	1-216-037-00		330	5%	1/10W
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REF.NO.	PART NO.	DESCRIPTIO	N	R	EMARK	REF.NO.	PART NO.	DESCRIPTION	R	REMARK
R8806	1-216-041-00	RES-CHIP	470	5%	1/10W		*A-1136-088-A	BD BOARD, COMPLETE		
R8807	1-216-033-00	RES-CHIP	220	5%	1/10W					
R8808	1-216-053-00	RES-CHIP	1.5K	5%	1/10W					
R8809	1-216-037-00	RES-CHIP	330	5%	1/10W		<capacitor< td=""><td>₹></td><td></td><td></td></capacitor<>	₹>		
R8810	1-216-043-91	RES-CHIP	560	5%	1/10W					
R8811	1-216-091-00		56K	5%	1/10W	C2601	1-104-664-11	ELECT 47µF	20%	25V
						C2602	1-163-259-91	CERAMIC CHIP 220pF	5%	50V
R8812	1-216-067-00	RES-CHIP	5.6K	5%	1/10W	C2603	1-104-664-11	ELECT 47µF	20%	25V
R8813	1-216-049-91	RES-CHIP	1K	5%	1/10W	C2604	1-163-038-91	CERAMIC CHIP 0.1µF		25V
R8814	1-216-017-91	RES-CHIP	47	5%	1/10W	C2607	1-163-275-11	CERAMIC CHIP 0.001µF	5%	50V
R8815	1-216-295-91	SHORT	0					•		
R8816	1-208-782-11	METAL CHIP	1K	0.5%	1/10W	C2608	1-104-664-11	ELECT 47µF	20%	25V
						C2609	1-163-038-91	CERAMIC CHIP 0.1µF		25V
R8819	1-216-295-91	SHORT	0			C2610	1-163-038-91	CERAMIC CHIP 0.1µF		25V
R8820	1-208-770-11	METAL CHIP	330	0.5%	1/10W	C2611	1-104-664-11	ELECT 47µF	20%	25V
R8821	1-208-782-11	METAL CHIP	1K	0.5%	1/10W	C2612	1-163-038-91	CERAMIC CHIP 0.1µF		25V
R8822	1-208-770-11	I METAL CHIP	330	0.5%	1/10W					
R8823	1-216-049-91	RES-CHIP	1K	5%	1/10W	C2613	1-104-664-11	ELECT 47µF	20%	25V
						C2615	1-163-038-91	CERAMIC CHIP 0.1µF		25V
R8824	1-208-793-11	METAL CHIP	3K	0.5%	1/10W	C2616	1-163-038-91	CERAMIC CHIP 0.1µF		25V
R8825	1-216-049-91	RES-CHIP	1K	5%	1/10W	C2617		CERAMIC CHIP 0.1µF		25V
R8826	1-216-047-91	RES-CHIP	820	5%	1/10W	C2618	1-163-038-91	CERAMIC CHIP 0.1µF		25V
R8827	1-208-789-11	I METAL CHIP	2K	0.5%	1/10W					
R8828	1-216-047-91	RES-CHIP	820	5%	1/10W	C2619	1-164-690-91	CERAMIC CHIP 0.0022µF	5%	50V
						C2620	1-163-038-91	CERAMIC CHIP 0.1µF		25V
R8829	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	C2621	1-104-664-11	ELECT 47µF	20%	25V
R8830	1-216-295-91	SHORT	0			C2622	1-104-664-11	ELECT 47µF	20%	25V
R8832	1-216-295-91	SHORT	0			C2623	1-163-038-91	CERAMIC CHIP 0.1µF		25V
R8834	1-216-053-00		1.5K	5%	1/10W					
R8835	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	C2624		CERAMIC CHIP 0.0022µF	10%	
						C2625	1-104-664-11		20%	
R8838	1-216-053-00		1.5K	5%	1/10W	C2626		CERAMIC CHIP 0.1µF	10%	50V
R8840	1-216-081-00		22K	5%	1/10W	C2627		CERAMIC CHIP 0.1µF		25V
R8841	1-216-081-00		22K	5%	1/10W	C2628	1-104-664-11	ELECT 47µF	20%	25V
R8844	1-216-049-91		1K	5%	1/10W					
R8847	1-216-295-91	SHORT	0			C2631		CERAMIC CHIP 0.001µF	5%	50V
D0040	4 040 005 0		•			C2633		CERAMIC CHIP 0.1µF	10%	50V
R8848	1-216-295-91		0	=0/	4/4004/	C2635		CERAMIC CHIP 0.1µF	000/	25V
R8849	1-216-035-00		270	5%	1/10W	C2636	1-104-664-11	•	20%	25V
R8851	1-216-041-00		470 470	5%	1/10W	C2637	1-163-259-91	CERAMIC CHIP 220pF	5%	50V
R8852	1-216-041-00		470	5%	1/10W	00000	4 404 664 44	ELECT 47E	000/	051
R8853	1-216-093-91	RES-CHIP	68K	5%	1/10W	C2639	1-104-664-11	•	20%	
D00E4	4 046 000 00	DEC CUID	071/	E0/	4/40\4/	C2640 C2641	1-104-664-11		20%	25V 25V
R8854 R8855	1-216-083-00 1-216-043-91		27K 560	5% 5%	1/10W 1/10W	C2643		CERAMIC CHIP 0.1µF CERAMIC CHIP 0.1µF		25V 25V
R8856	1-216-043-9		1.2K	5% 5%	1/10W	C2644		CERAMIC CHIP 0.1µF	5%	50V
R8857	1-216-051-00		1.2K	5%	1/10W	02044	1-104-050-51	CERAINIC CHIP 0.0022µP	376	30 V
10007	1-2 10-05 1-00	KES-CHIP	I.ZR	370	1/1044	C2645	1 162 020 01	CERAMIC CHIP 0.1µF		25V
						C2647	1-103-030-91	•	20%	25V 25V
	<terminal< td=""><td>BOADD></td><td></td><td></td><td></td><td>C2648</td><td></td><td>CERAMIC CHIP 0.1µF</td><td>20 /0</td><td>25V</td></terminal<>	BOADD>				C2648		CERAMIC CHIP 0.1µF	20 /0	25V
	> I EINWINAL	BOARD>				C2649		CERAMIC CHIP 0.1µF		25V
TB8101	1_537_719_11	I TERMINAL, PL	ISH (CEN	TED QD I	MΝ	C2650		CERAMIC CHIP 0.1µF		25V
100101	1-007-7 12-1	I I LINIVIIIVAL, FU	JOIT (CEIV	ILK OF I	14)	C2030	1-103-030-91	CERONIC OTHE 0. THE		250
						C2651	1-104-664-11	ELECT 47uF	20%	25V
	<crystal></crystal>	•				C2652		CERAMIC CHIP 0.1µF	2070	25V
	-O.CIOIAL					C2655		CERAMIC CHIP 0.1µF	5%	50V
X8301	1-781-612-11	VIBRATOR, CI	RYSTAI (*	16.2MH - \		C2656	1-104-664-11	•		25V
X8302		I VIBRATOR, CI				C2658		CERAMIC CHIP 0.1µF	20 /0	25V
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						C2659	1-163-038-91	CERAMIC CHIP 0.1µF		25V
						C2660	1-104-664-11	-	20%	25V
						C2661		CERAMIC CHIP 220pF	5%	50V
						C2662		CERAMIC CHIP 0.1µF		25V
						C2663	1-104-664-11	-	20%	25V
								•		
						C2666	1-163-038-91	CERAMIC CHIP 0.1µF		25V
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REF.NO.	PART NO.	DESCRIPTION	ı	REMARK	REF.NO.	PART NO.	DESCRIPTION		R	EMARK
C2667	1-164-690-91	CERAMIC CHIP 0.0022	μF 5%	50V	C2742	1-163-231-11	CERAMIC CHIP	15pF	5%	50V
C2668	1-163-038-91	CERAMIC CHIP 0.1µF		25V	C2744	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2670	1-104-664-11	ELECT 47µF	20%	25V	C2745	1-104-664-11	ELECT	47µF	20%	25V
C2673	1-163-038-91	CERAMIC CHIP 0.1µF		25V						
					C2746	1-104-664-11	ELECT	47µF	20%	25V
C2674	1-163-038-91	CERAMIC CHIP 0.1µF		25V	C2747	1-104-664-11	ELECT	47µF	20%	25V
C2675	1-163-038-91	CERAMIC CHIP 0.1µF		25V	C2748	1-163-259-91	CERAMIC CHIP	220pF	5%	50V
C2678	1-163-275-11	CERAMIC CHIP 0.001	F 5%	50V	C2749	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2679	1-104-664-11	ELECT 47µF	20%	25V	C2750	1-126-935-11	ELECT	470µF	20%	6.3V
C2680	1-163-038-91	CERAMIC CHIP 0.1µF		25V				•		
		·			C2751	1-126-935-11	ELECT	470µF	20%	6.3V
C2681	1-104-664-11	ELECT 47µF	20%	25V	C2753	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2683	1-104-664-11	ELECT 47µF	20%	25V	C2754	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2685	1-163-038-91	CERAMIC CHIP 0.1µF		25V	C2755	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2686	1-164-690-91	CERAMIC CHIP 0.0022	µF 5%	50V	C2756	1-104-664-11	ELECT	47µF	20%	25V
C2689	1-163-038-91	CERAMIC CHIP 0.1µF	•	25V				•		
		•			C2757	1-163-038-91	CERAMIC CHIP	0.1µF		25V
C2690	1-126-967-11	ELECT 47µF	20%	50V	C2758		CERAMIC CHIP			25V
C2691	1-163-038-91	CERAMIC CHIP 0.1µF		25V	C2759		CERAMIC CHIP	•		25V
C2692	1-126-967-11	•	20%	50V	C2760		CERAMIC CHIP	•	5%	50V
C2693		CERAMIC CHIP 0.1µF		25V	C2761		CERAMIC CHIP		5%	50V
C2694	1-104-664-11		20%					осор.	- 70	
02001			_0,0	201	C2762	1-107-823-11	CERAMIC CHIP	0.47uF	10%	16V
C2695	1-163-259-91	CERAMIC CHIP 220pF	5%	50V	C2763	1-104-664-11		47uF	20%	16V
C2696		CERAMIC CHIP 0.1µF	0,0	25V	C2764		CERAMIC CHIP		2070	25V
C2697	1-104-664-11	· ·	20%	25V	C2765		CERAMIC CHIP	•	10%	16V
C2698		CERAMIC CHIP 0.1µF	2070	25V	C2766		CERAMIC CHIP		10%	50V
C2699		CERAMIC CHIP 0.1µF		25V	02/00	1-100-010-00	OLIVANIO OI III	0.0000рі	1070	JU V
02000	1-100-000-01	OLIVANIO OTIII OTI		201	C2767	1_163_016_00	CERAMIC CHIP	0.0039uE	10%	50V
C2700	1_163_001_11	CERAMIC CHIP 220pF	10%	50V	C2768		CERAMIC CHIP	•	1070	25V
C2701		CERAMIC CHIP 1µF	1070	16V	C2769	1-104-664-11		47μF	20%	16V
C2701		CERAMIC CHIP 0.001	F 5%	50V	C2770		CERAMIC CHIP		5%	50V
C2705 C2706		CERAMIC CHIP 0.00 I	IF 376	25V	C2770		CERAMIC CHIP		10%	50V 50V
C2700		CERAMIC CHIP 0.1µF		25V 25V	02//1	1-103-010-00	CERAINIC CHIP	0.0039µF	1076	30 V
C2101	1-103-030-91	CERAWIC CHIP 0. IµF		201	C2772	1 162 020 01	CERAMIC CHIP	0.105		25V
C2708	1 162 020 01	CEDAMIC CUID 0 10E		25V	C2773		CERAMIC CHIP	•		25V 25V
		CERAMIC CHIP 0.1µF ELECT 47uF	200/	25V 25V	C2774				10%	25V 50V
C2709	1-104-664-11				C2774		CERAMIC CHIP	•		
C2710 C2711	1-126-935-11	•		6.3V	C2776	1-104-664-11		47µF	20% 20%	16V
	1-126-935-11		20%	6.3V	C2//6	1-104-664-11	ELECT	47μF	20%	16V
C2713	1-103-036-91	CERAMIC CHIP 0.1µF		25V	00777	4 460 060 44	OEDAMIC CUID	220-5	E0/	E0\/
00744	4 404 664 44	ELECT 47E	200/	25V	C2777		CERAMIC CHIP		5%	50V
C2714	1-104-664-11				C2778		CERAMIC CHIP	•	5%	50V
C2715		CERAMIC CHIP 0.0022	⊈µF 5%	50V	C2779		CERAMIC CHIP		10%	16V
C2716		CERAMIC CHIP 0.1µF	000/	25V	C2780		CERAMIC CHIP		10%	16V
C2717	1-104-664-11		20%	25V	C2781	1-163-038-91	CERAMIC CHIP	υ.1μΕ		25V
C2718	1-104-346-11	CERAMIC CHIP 1µF		16V	00700	4 400 000 04	0504440 0140	0.4		051
00740	4 464 004 44	CEDAMIC CUID O 405	400/	05\/	C2782	1-163-038-91	CERAMIC CHIP	υ.τμ Γ		25V
C2719		CERAMIC CHIP 0.1µF		25V						
C2720	1-104-664-11	•		25V			_			
C2721		CERAMIC CHIP 220pF	5%	50V		<connecto< td=""><td>)K></td><td></td><td></td><td></td></connecto<>)K>			
C2724		CERAMIC CHIP 0.001	F 5%	50V	0110004	* 4 = 5 4 = 5 5 4 4	DI 110 0011115			
C2725	1-163-038-91	CERAMIC CHIP 0.1µF		25V			PLUG, CONNEC			
							CONNECTOR, I		BOAL	KD 40P
C2726	1-126-964-11		20%	50V			PLUG, CONNEC			
C2727		CERAMIC CHIP 1µF		16V	CN2604	1-695-915-11	TAB (CONTACT)		
C2728		CERAMIC CHIP 0.001		50V						
C2729		CERAMIC CHIP 0.001		50V						
C2730	1-104-664-11	ELECT 47µF	20%	25V		<diode></diode>				
				4.63.7						
C2731		CERAMIC CHIP 1µF		16V	D2601		DIODE 1SS355			
C2733		CERAMIC CHIP 0.1µF		25V	D2602		DIODE 1SS355			
C2737		CERAMIC CHIP 0.0022	µF 5%	50V	D2603		DIODE 1SS355			
C2738		CERAMIC CHIP 0.1µF		25V	D2604		DIODE 1SS355			
C2739	1-163-038-91	CERAMIC CHIP 0.1µF		25V	D2605	8-719-976-99	DIODE DTZ5.1E	3		
C2740		CERAMIC CHIP 0.1µF		25V	D2606		DIODE 1SS355			
C2741	1-163-237-11	CERAMIC CHIP 27pF	5%	50V	D2607	8-719-158-49	DIODE RD12SB	2		



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMAR
D2608		DIODE DTZ5.1B			<chip cone<="" td=""><td>OUCTOR></td><td></td></chip>	OUCTOR>	
D2609		DIODE 1SS355TE-17					
D2610	8-719-988-61	DIODE 1SS355TE-17		JR2605	1-216-295-91	SHORT 0	
D2611	8-719-988-61	DIODE 1SS355TE-17					
D2612	8-719-976-99	DIODE DTZ5.1B			<coil></coil>		
D2613	8-719-158-49	DIODE RD12SB2					
D2614		DIODE DTZ5.1B		L2601		INDUCTOR CHIP	0µH
D2615	8-719-988-61	DIODE 1SS355TE-17		L2602		INDUCTOR CHIP	ΟμΗ
				L2605	1-469-555-21		10µH
D2616		DIODE DTZ5.1B		L2606		INDUCTOR CHIP	0μH
02617		DIODE RD12SB2		L2608	1-469-555-21	INDUCTOR	10µH
02618		DIODE DTZ5.1B		1 0000	4 444 004 00	INDUIGTOR OUID	011
D2619		DIODE 1SS355TE-17		L2609		INDUCTOR CHIP	0μH
02620	8-719-158-49	DIODE RD12SB2		L2610		INDUCTOR CHIP	0μH
00004	0.740.070.00	DIODE DEZE 4D		L2611 L2612		INDUCTOR CHIP	10µH
02621		DIODE DTZ5.1B				INDUCTOR CHIP	0μH
D2622 D2623		DIODE 188355TE 17		L2615	1-4 14-234-22	INDUCTOR CHIP	ОμН
)2623)2624		DIODE 1SS355TE-17		1.0646	4 444 004 00	INDUCTOR CHIR	٠١
)2024	0-7 19-900-01	DIODE 1SS355TE-17		L2616 L2617		INDUCTOR CHIP	0μH 10μH
				L2617	1-469-555-21 1-469-555-21		10μH
	<ferritbea< td=""><td>NDS</td><td></td><td>L2619</td><td></td><td>INDUCTOR CHIP</td><td>10μπ 0μΗ</td></ferritbea<>	NDS		L2619		INDUCTOR CHIP	10μπ 0μΗ
	>FERRIIDEA	(D>		L2621		INDUCTOR CHIP	0μH
B2601	1-216-295-91	SHORT 0		L2021	1-4 14-234-22	INDUCTOR CHIP	υμπ
	1-216-295-91			L2622	1_414_234_22	INDUCTOR CHIP	OμH
B2603	1-216-295-91			L2625		INDUCTOR CHIP	0µН 0µН
B2604	1-216-295-91			L2626	1-469-555-21		0μΠ 10μΗ
D200 1	1-210-250-51	SHORT 0		L2627		INDUCTOR CHIP	0μH
				L2628	1-469-555-21		10μH
	<ic></ic>						•
				L2629		INDUCTOR CHIP	0μΗ
C2601		IC µPC4570G2		L2633		INDUCTOR CHIP	10µH
C2602	8-759-998-22			L2634		INDUCTOR CHIP	0μΗ
C2603		IC µPC4570G2		L2635		INDUCTOR CHIP	0μΗ
C2604 C2605	8-759-998-22	IC CM0006CF		L2636	1-469-555-21	INDUCTOR	10µH
02000	0.00.00	io dinicologi.		L2637	1-414-234-22	INDUCTOR CHIP	0μΗ
C2606	8-759-485-79	IC TC7SET08FU(TE85)		L2638		INDUCTOR CHIP	0μH
C2607		IC SN74HC32ANS		L2639	1-469-555-21	INDUCTOR	10µH
C2608	8-759-106-02	IC µPC4570G2		L2640	1-414-234-22	INDUCTOR CHIP	0µH
C2609	8-759-998-22			L2643	1-414-234-22	INDUCTOR CHIP	ΟμΗ
C2610	8-759-106-02	IC µPC4570G2					•
				L2645	1-469-555-21		10µH
22611		IC TC7W66FU(TE12R)		L2646		INDUCTOR CHIP	0μΗ
C2612		IC TLC2932IPWR		L2647		INDUCTOR CHIP	0μΗ
C2613		IC SN74HC74ANS		L2648	1-469-555-21		10µH
C2614	8-759-998-22			L2649	1-412-029-11	INDUCTOR CHIP	10µH
C2615	8-759-485-79	IC TC7SET08FU(TE85)		L2652	1 414 224 22	INDUCTOR CHIP	OL
20040	0.750.406.00	IC ::DC4570C0					0μH 40U
C2616 C2617		IC µPC4570G2		L2653	1-469-555-21		10μH
C2618		IC PST9143NL IC MC74HC4538AF		L2654	1-414-234-22	INDUCTOR CHIP	0μH 10μH
C2619		IC CXP86324-028Q		L2656 L2657		INDUCTOR CHIP	•
C2620		IC MC74HC74AFEL		12007	1-414-234-22	INDUCTOR CHIP	0μΗ
				L2658		INDUCTOR CHIP	0μH
C2621		IC M24C32-MN6T		L2659		INDUCTOR CHIP	0μΗ
C2622		IC µPC4570G2		L2661		INDUCTOR CHIP	0μΗ
C2623	8-759-998-22			L2663		INDUCTOR CHIP	OμH
C2625	8-759-998-22			L2664	1-414-234-22	INDUCTOR CHIP	0μΗ
C2626	ö-759-394-80	IC NJM2058M-TE2		L2665	1-216-295-91	SHORT 0	
C2627	8-759-394-80	IC NJM2058M-TE2		L2666	1-216-295-91		
J_U_I	5 , 55-554-50	. U I TOTTIL COUNTY I LL		L2667	1-216-295-91		
				L2668	1-216-295-91		
				L2669	1-216-295-91		
						J. 10111	

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REF.NO.	PART NO.	DESCRIPTION	N	R	EMARK	REF.NO.	PART NO.	DESCRIPTION	1	R	EMARK
1.0070	4 040 005 04	OUODT				Doors	4 040 005 01	DE0 01 "D	400	50 /	44604
L2670	1-216-295-91	SHORT	0			R2650 R2651	1-216-025-91 1-216-025-91		100 100	5% 5%	1/10W 1/10W
						R2652	1-216-025-91		100	5% 5%	1/10W
	<transisto< td=""><td>OR></td><td></td><td></td><td></td><td>R2653</td><td>1-216-025-91</td><td></td><td>100</td><td>5%</td><td>1/10W</td></transisto<>	OR>				R2653	1-216-025-91		100	5%	1/10W
Q2601	0 700 400 00	TRANSISTOR	0004600 1 1	-16		R2654	1-216-071-00	DEC CUID	8.2K	E0/	1/10W
Q2602		TRANSISTOR			R	R2655	1-216-071-00		100	5% 5%	1/10W
Q2603		TRANSISTOR			11	R2657	1-216-025-91		100	5%	1/10W
Q2604		TRANSISTOR			-R	R2658	1-216-025-91		100	5%	1/10W
Q2605		TRANSISTOR			••	R2659	1-216-025-91		100	5%	1/10W
Q2606	9 720 120 29	TRANSISTOR	2601622 1	51 E		R2661	1-216-057-00	DEC CUID	2.2K	5%	1/10W
Q2607		TRANSISTOR			P	R2662	1-216-037-00		100	5%	1/10W
Q2608		TRANSISTOR			11	R2663	1-216-025-91		100	5%	1/10W
Q2610		TRANSISTOR				R2664	1-216-049-91		1K	5%	1/10W
Q2611		TRANSISTOR				R2665		METAL CHIP	1K		1/10W
00040	4 004 000 44	TD 4 1 10 10 TO D	DT0444514			B0000	4 040 000 00	DE0 01 IID		=0/	4/4004/
Q2612		TRANSISTOR				R2666	1-216-033-00		220	5%	1/10W
Q2613		TRANSISTOR				R2667	1-216-049-91		1K	5% 5%	1/10W
Q2614	0-729-120-20	TRANSISTOR	23C 1023-L:	DLO		R2668 R2669	1-216-049-91	METAL CHIP	1K 1K	5% 0.5%	1/10W 1/10W
						R2671	1-216-025-91		100	5%	1/10W
	<resistor></resistor>	•				102071	1-210-020-01	KLO-OI III	100	J /0	17 10 11
						R2672	1-216-025-91	RES-CHIP	100	5%	1/10W
R2601	1-208-782-11	METAL CHIP	1K	0.5%	1/10W	R2673	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2602		METAL CHIP	5.1K		1/10W	R2674	1-216-049-91		1K	5%	1/10W
R2603		METAL CHIP	1K		1/10W	R2675	1-216-049-91		1K	5%	1/10W
R2606		METAL CHIP	5.1K	0.5%	1/10W	R2676	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2607	1-216-295-91	SHORT	0						41.5		4/4004
D0000	4 040 005 04	CHODE	•			R2677	1-216-049-91		1K	5%	1/10W
R2608 R2609	1-216-295-91 1-216-025-91		0 100	E0/	1/10W	R2678 R2679	1-216-025-91		100	5% 5%	1/10W
R2610	1-216-025-91		100	5% 5%	1/10W	R2680	1-216-025-91 1-216-033-00		100 220	5% 5%	1/10W 1/10W
R2611	1-216-025-91		100	5% 5%	1/10W	R2681	1-216-035-00		100	5% 5%	1/10W
R2612	1-216-025-91		100	5%	1/10W	142001	1-2 10-025-9 1	IXLO-OI III	100	J /0	1/1044
				0,0	.,	R2682	1-216-025-91	RES-CHIP	100	5%	1/10W
R2613	1-216-025-91	RES-CHIP	100	5%	1/10W	R2683	1-216-073-00		10K	5%	1/10W
R2621	1-216-025-91	RES-CHIP	100	5%	1/10W	R2684	1-208-799-11	METAL CHIP	5.1K	0.5%	1/10W
R2622	1-216-025-91	RES-CHIP	100	5%	1/10W	R2685	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R2623	1-216-025-91		100	5%	1/10W	R2688	1-216-037-00	RES-CHIP	330	5%	1/10W
R2624	1-216-081-00	RES-CHIP	22K	5%	1/10W	Basso	1-216-057-00	DEC CUID	2.21/	E0/	1/10\A/
R2625	1-216-025-91	DEC CUID	100	5%	1/10W	R2689 R2690		METAL CHIP	2.2K 5.1K	5% 0.5%	1/10W 1/10W
R2628	1-216-049-91		166 1K	5% 5%	1/10W	R2691	1-216-295-91		0	0.5%	1/1044
R2629		METAL CHIP	1K		1/10W	R2692	1-216-065-91		4.7K	5%	1/10W
R2630		METAL CHIP	27K		1/10W	R2693	1-216-295-91		0	0,0	.,
R2631	1-216-065-91	RES-CHIP	4.7K	5%	1/10W						
						R2694	1-216-057-00		2.2K	5%	1/10W
R2632		METAL CHIP	1K		1/10W	R2695	1-216-065-91		4.7K	5%	1/10W
R2634	1-216-049-91		1K	5%	1/10W	R2698	1-216-037-00		330	5%	1/10W
R2635		METAL CHIP	6.8K	0.5%	1/10W	R2699	1-216-057-00		2.2K	5%	1/10W
R2636 R2637	1-216-295-91 1-216-071-00		0 8.2K	5%	1/10W	R2701	1-216-041-00	RES-CHIP	470	5%	1/10W
12007	1-210-071-00	KE3-CI III	0.21	J /0	1/1044	R2703	1-216-037-00	RES-CHIP	330	5%	1/10W
R2638	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2704	1-216-049-91		1K	5%	1/10W
R2639		METAL CHIP	6.2K		1/10W	R2705	1-216-057-00		2.2K	5%	1/10W
R2640	1-216-033-00	RES-CHIP	220	5%	1/10W	R2706	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2641	1-208-799-11	METAL CHIP	5.1K	0.5%	1/10W	R2707	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R2643	1-216-033-00	RES-CHIP	220	5%	1/10W	D0700	4 040 040 04	DE0 01 IID	412	- 0/	4/4034/
D2644	1 216 074 00	DEC CHID	0 2K	E0/	1/10\A/	R2708	1-216-049-91		1K	5% 5%	1/10W
R2644 R2645	1-216-071-00 1-216-033-00		8.2K 220	5% 5%	1/10W 1/10W	R2709 R2710	1-216-025-91 1-216-025-91		100 100	5% 5%	1/10W 1/10W
R2646		METAL CHIP	5.1K		1/10W	R2710 R2712		METAL CHIP	100 1K	5% 0.5%	1/10W
R2647	1-206-799-11		100	0.5% 5%	1/10W	R2712	1-206-762-11		4.7K	0.5% 5%	1/10W
R2648	1-216-295-91		0	270	.,		. = .0 000-01	01 111		J /0	., 1011
						R2715	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2649	1-216-295-91	SHORT	0			R2716	1-216-025-91	RES-CHIP	100	5%	1/10W
						•					



REF.NO.	PART NO.	DESCRIPTIO	N	R	EMARK	REF.NO.	PART NO.	DESCRIPTION	N	R	EMARK
R2717 R2719		METAL CHIP	5.1K 5.1K		1/10W 1/10W	R2785 R2786	1-216-041-00		470 470	5% 5%	1/10W 1/10W
R2719	1-206-799-11	METAL CHIP	0	0.5%	1/1044	K2/00	1-216-041-00	KE3-CHIP	470	376	1/1044
\Z/20	1-210-233-31	SHORT	U			R2787	1-208-782-11	METAL CHIP	1K	0.5%	1/10W
R2721	1-216-295-91	SHORT	0			R2789		METAL CHIP	5.1K		1/10W
R2723		METAL CHIP	3K	0.5%	1/10W	R2790		METAL CHIP	4.7K		1/10W
R2725		METAL CHIP	560		1/10W	R2791	1-216-073-00		10K	5%	1/10W
R2726		METAL CHIP	2.2K		1/10W	R2792	1-216-033-00	RES-CHIP	220	5%	1/10W
R2728	1-216-025-91	RES-CHIP	100	5%	1/10W						
						R2793	1-216-033-00	RES-CHIP	220	5%	1/10W
R2729	1-216-033-00	RES-CHIP	220	5%	1/10W	R2794	1-216-025-91	RES-CHIP	100	5%	1/10W
R2730	1-216-025-91		100	5%	1/10W	R2796	1-216-049-91		1K	5%	1/10W
R2731		METAL CHIP	680K		1/10W	R2797	1-216-065-91		4.7K	5%	1/10W
R2732		METAL CHIP	1K		1/10W	R2799	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R2733	1-216-025-91	RES-CHIP	100	5%	1/10W				4		4440044
D0704	4 040 005 04	DE0 0111D	400	=0/	4/40147	R2800	1-216-065-91		4.7K	5%	1/10W
R2734	1-216-025-91		100	5%	1/10W	R2803		METAL CHIP	5.1K	0.5%	1/10W
R2735	1-216-025-91		100	5%	1/10W	R2804	1-216-295-91		0	-0 /	4/4004/
R2736	1-216-025-91		100	5%	1/10W	R2805	1-216-073-00		10K	5%	1/10W
R2737	1-216-025-91		100	5% 5%	1/10W	R2806	1-216-025-91	RES-CHIP	100	5%	1/10W
R2738	1-216-049-91	RES-CHIP	1K	5%	1/10W	D0007	4 046 005 04	CHODE			
D0700	4 046 005 04	DEC CUID	400	E0/	4/40\4/	R2807	1-216-295-91		0	E0/	4/40\A/
R2739	1-216-025-91		100	5% 5%	1/10W	R2808	1-216-073-00		10K	5%	1/10W
R2740	1-216-025-91		100	5% 5%	1/10W 1/10W	R2809	1-216-073-00		10K	5%	1/10W
R2741 R2742	1-216-033-00		220	5% 5%		R2810	1-216-025-91		100	5%	1/10W
R2742 R2743	1-216-025-91 1-216-025-91		100 100	5% 5%	1/10W 1/10W	R2811	1-216-025-91	KES-CHIP	100	5%	1/10W
N2/43	1-2 10-025-9 1	KES-CHIP	100	370	1/1044	R2812	1-216-025-91	DES CHID	100	5%	1/10W
R2744	1-216-025-91	DES-CHID	100	5%	1/10W	R2813	1-216-073-00		10K	5% 5%	1/10W
R2745	1-216-025-91		100	5% 5%	1/10W	R2814	1-216-025-91		100	5% 5%	1/10W
R2746		METAL CHIP	680K		1/10W	R2815	1-216-073-00		10K	5%	1/10W
R2747		METAL CHIP	1K		1/10W	R2818	1-216-025-91		100	5%	1/10W
R2750		METAL CHIP	5.1K		1/10W	112010	1-210-020-01	TALO-OTTI	100	070	17 1011
142.00	1 200 100 11	ME I/ LE OI III	0.110	0.070	.,	R2821	1-216-025-91	RES-CHIP	100	5%	1/10W
R2751	1-216-025-91	RES-CHIP	100	5%	1/10W	R2823	1-216-033-00		220	5%	1/10W
R2752	1-216-025-91		100	5%	1/10W	R2824	1-216-033-00		220	5%	1/10W
R2753	1-216-025-91		100	5%	1/10W	R2825	1-216-033-00		220	5%	1/10W
R2755	1-216-073-00		10K	5%	1/10W	R2826	1-216-033-00		220	5%	1/10W
R2756	1-216-073-00		10K	5%	1/10W						
						R2827	1-216-033-00	RES-CHIP	220	5%	1/10W
R2758	1-216-025-91	RES-CHIP	100	5%	1/10W	R2831	1-216-025-91	RES-CHIP	100	5%	1/10W
R2759	1-216-033-00		220	5%	1/10W	R2832	1-216-025-91	RES-CHIP	100	5%	1/10W
R2760	1-208-799-11	METAL CHIP	5.1K	0.5%	1/10W	R2834	1-216-025-91	RES-CHIP	100	5%	1/10W
R2761	1-216-295-91	SHORT	0			R2835	1-216-025-91	RES-CHIP	100	5%	1/10W
R2762	1-216-295-91	SHORT	0								
						R2836	1-216-118-00	RES-CHIP	750K	5%	1/10W
R2763	1-216-025-91	RES-CHIP	100	5%	1/10W	R2837	1-216-049-91	RES-CHIP	1K	5%	1/10W
R2764	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2838	1-216-122-11	RES-CHIP	1.1M	5%	1/10W
R2765	1-216-025-91	RES-CHIP	100	5%	1/10W	R2839	1-216-049-91		1K	5%	1/10W
R2766	1-216-049-91	RES-CHIP	1K	5%	1/10W	R2840	1-216-025-91	RES-CHIP	100	5%	1/10W
R2767	1-216-033-00	RES-CHIP	220	5%	1/10W						
						R2841	1-216-073-00		10K	5%	1/10W
R2768	1-216-049-91		1K	5%	1/10W	R2842	1-216-073-00		10K	5%	1/10W
R2769	1-216-025-91		100	5%	1/10W	R2843	1-216-295-91		0		
R2771	1-216-033-00		220	5%	1/10W	R2844	1-216-073-00		10K	5%	1/10W
R2773	1-216-025-91		100	5%	1/10W	R2845	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2774	1-216-073-00	RES-CHIP	10K	5%	1/10W						
	4 040 000 0	DEC 0:::-	400		4440***	R2846	1-216-049-91		1K	5%	1/10W
R2775	1-216-025-91		100	5%	1/10W	R2847	1-216-025-91		100	5%	1/10W
R2777	1-216-025-91		100	5%	1/10W	R2848	1-216-049-91		1K	5%	1/10W
R2778	1-216-025-91		100	5%	1/10W	R2849	1-216-025-91		100	5%	1/10W
R2779	1-216-025-91		100	5%	1/10W	R2850	1-216-124-11	RES-CHIP	1.3M	5%	1/10W
R2781	1-208-782-11	METAL CHIP	1K	0.5%	1/10W	D0054	4 040 404 44	DE0 01 "E	4 014	F0/	4/4014
D0700	4 040 070 00	DE0 0' "D	4016	F0/	4/4014	R2851	1-216-124-11		1.3M	5%	1/10W
R2782	1-216-073-00		10K	5%	1/10W	R2852	1-216-057-00		2.2K	5%	1/10W
	1-216-295-91	SHURF	0			R2853	1-216-073-00	KES-CHIP	10K	5%	1/10W
R2783 R2784	1-216-025-91		100	5%	1/10W	R2872	1-216-049-91	DE0 0: ::D	1K	5%	1/10W

BD DS D

											
REF.NO.	PART NO.	DESCRIPTION		RE	EMARK	REF.NO.	PART NO.	DESCRIPTION		R	EMARK
R2873	1-216-049-91	RES_CHIP	1K	5%	1/10W	R3502	1-216-093-91	RES_CHIP	68K	5%	1/10W
K20/3	1-210-049-91	KE3-CHIP	IIX	370	1/1044	R3502	1-216-073-00		10K	5% 5%	1/10W
						R3504	1-216-689-11		39K	5%	1/10W
	<crystal></crystal>					R3506	1-216-057-00		2.2K	5%	1/10W
V0704	4 707 00E 04	VIDDATOD OD	VOTAL (40)	V41 1>		DOEOZ	4 046 600 44	DEC CUID	2014	E0/	4/40\A/
X2701		VIBRATOR, CR			******	R3507	1-216-689-11		39K	5% 5%	1/10W
						R3508	1-216-073-00		10K	5%	1/10W
	* 4 4040 000 4	DO BOARD OF	MDI ETE			R3509	1-216-073-00		10K	5%	1/10W
	" A-1343-830-A	DS BOARD, CC				R3511 R3512	1-208-803-11 1-216-033-00		7.5K 220	0.5% 5%	1/10W 1/10W
						1.0012	1 210 000 00	1120 01111		0,0	1,1011
		_				R3513	1-216-033-00		220	5%	1/10W
	<capacitor< td=""><td>₹></td><td></td><td></td><td></td><td>R3514</td><td>1-216-073-00</td><td></td><td>10K</td><td>5%</td><td>1/10W</td></capacitor<>	₹>				R3514	1-216-073-00		10K	5%	1/10W
						R3515	1-216-033-00		220	5%	1/10W
C3501	1-104-664-11		47μF	20%	25V	R3518	1-216-053-00		1.5K	5%	1/10W
C3502	1-104-664-11		47µF	20%	25V	R3519	1-216-081-00	RES-CHIP	22K	5%	1/10W
C3503	1-104-664-11	ELECT	47µF	20%	25V						
C3504	1-104-664-11	ELECT	47µF	20%	25V	R3520	1-216-081-00	RES-CHIP	22K	5%	1/10W
C3505	1-104-664-11	ELECT	47µF	20%	25V	R3521	1-216-103-00	RES-CHIP	180K	5%	1/10W
			-			R3523	1-216-099-00	RES-CHIP	120K	5%	1/10W
C3506	1-163-275-11	CERAMIC CHIP	0.001µF	5%	50V	R3524	1-216-097-91		100K	5%	1/10W
C3507	1-126-964-11		10µF	20%	50V	R3526	1-216-039-00		390	5%	1/10W
C3508	1-107-714-11		10μF	20%	16V	. 10020	. 2.5 555 50		300	J /0	.,
C3509	1-137-371-11		0.015uF	5%	50V	R3529	1-216-107-00	DES CHID	270K	5%	1/10W
C3510		CERAMIC CHIP		370	25V				270K	5%	1/10W
C3510	1-103-030-91	CERAINIC CHIP	υ. ιμπ		257	R3530	1-216-081-00				
00544	4 400 000 04	0554440 0145			05.4	R3531	1-216-041-00		470	5%	1/10W
C3511		CERAMIC CHIP			25V	R3532	1-216-037-00		330	5%	1/10W
C3512	1-104-664-11		47µF	20%	25V	R3533	1-216-075-00	RES-CHIP	12K	5%	1/10W
C3513		CERAMIC CHIP			25V						
C3514	1-163-038-91	CERAMIC CHIP	' 0.1μF		25V	R3535	1-216-097-91	RES-CHIP	100K	5%	1/10W
C3515	1-104-664-11	ELECT	47µF	20%	25V	R3537	1-216-081-00	RES-CHIP	22K	5%	1/10W
						R3538	1-216-073-00	RES-CHIP	10K	5%	1/10W
C3518	1-163-224-11	CERAMIC CHIP	7pF	0.25pF	50V	R3541	1-216-079-00	RES-CHIP	18K	5%	1/10W
C3519	1-104-664-11	ELECT	47µF	20%	25V	******	******	*******	******	*****	******
C3520	1-137-374-11	MYLAR	0.047µF	5%	50V						
C3523		CERAMIC CHIP	•	5%	50V		* A-1346-923-A	D BOARD, CO	MPLETE (E	ES48)	
C3525	1-104-664-11		47µF	20%	25V			D BOARD, CO			
00020				_0,0				D BOARD, CO			
C3526	1-104-664-11	FLECT	47µF	20%	25V			D BOARD, CO			
C3528	1-107-714-11		10µF	20%	16V		71 10-10 001 71	**********		_0 .0,	
C3529		CERAMIC CHIP		10%	50V						
03329	1-104-101-11	CLIVAIVIC CI III	0.0022μι	1070	30 V						
							1-500-048-11	FERRITE	0µH (Q51	04)	
	<connecto< td=""><td>R></td><td></td><td></td><td></td><td></td><td>4-363-414-00</td><td>SPACER, MICA</td><td>(IC5302,</td><td>Q5104)</td><td></td></connecto<>	R>					4-363-414-00	SPACER, MICA	(IC5302,	Q5104)	
							4-382-854-11	SCREW (M3X1)	0), P, SW (+)	
CN3501	* 1-691-632-21	CONNECTOR, I	BOARD TO	BOARI	D 15P			(D5107, D510	8, IC5103	IC5104	I, IC5105,
								C51	06. IC5302	2, Q5104	4, Q5705)
							* 4-393-506-01	RETAINER, TR			, ,
	<diode></diode>							SCREW +PSW		501, IC5	5502)
Dozo :	0.740.450.45	DIODE DES CO	D								
D3501		DIODE RD5.6S-	_				-04546:55	•			
D3502		DIODE DAP202					<capacitor< td=""><td><></td><td></td><td></td><td></td></capacitor<>	<>			
D3503	8-719-158-15	DIODE RD5.6S-	В								
						C5001	1-104-664-11		47µF	20%	
						C5002	1-126-963-11		4.7µF	20%	
	<ic></ic>					C5011	1-126-934-11	ELECT	220µF	20%	16V
						C5020	1-126-961-11	ELECT	2.2µF	20%	50V
IC3502	8-759-251-31	IC CA0007AM				C5102	1-102-973-00		100pF	5%	50V
IC3503		IC CA0007AM							•		
IC3504		IC CA0007AM				C5103	1-126-960-11	ELECT	1µF	20%	50V
IC3505		IC NJM2058D				C5104	1-137-415-11		0.0068µF		100V
IC3506		IC µPC4558G2				C5105	1-102-973-00		100pF	5%	50V
100000	3-100-100-90	.ο μι ο τουσο				C5103	1-162-117-00		100pF		500V
	-DEGIOTOR	_				C5113	1-136-207-11	IVITLAR	0.047µF	10%	250V
	<resistor></resistor>	•				05445	4 404 047 54	FLECT	400	000/	460) /
D0504	4 040 070 00	DE0 01 "B	4017	E0/	4/4014	C5115	1-124-347-51		100µF		160V
R3501	1-216-073-00	KES-CHIP	10K	5%	1/10W	C5117	1-162-116-00	CERAMIC	680pF	10%	2KV



REF.NO.	PART NO.	DESCRIPTION		R	EMARK	REF.NO.	PART NO.	DESCRIPTION		R	EMARK
C5118	1-137-391-11	MYLAR	0.0047µF	5%	100V	C5224	1-126-967-11	ELECT	47µF	20%	50V
C5119	1-162-116-00		680pF		2KV	C5225		CERAMIC CHIP	•	10%	50V
C5120	1-162-116-00		680pF	10%	2KV						
						C5226	1-164-161-11	CERAMIC CHIP	0.0022µF	10%	50V
C5123	1-129-718-00	FILM	0.022µF	5%	630V	C5301	1-104-664-11		47µF	20%	25V
C5127	1-117-643-11		9100pF	3%	1.2KV	C5302	1-104-665-11		100µF	20%	
C5130	1-115-521-11		0.82µF	5%	250V	C5303	1-126-933-11		100µF	20%	
C5133	1-104-665-11		100µF		25V	C5304		CERAMIC CHIP		10%	
C5135		CERAMIC CHIP			50V						
						C5305	1-137-399-11	MYLAR	0.1uF	5%	100V
C5136	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V	C5307		CERAMIC CHIP		10%	
C5137	1-137-043-11		0.0047µF		400V	C5308	1-126-960-11		1µF	20%	50V
C5138	1-126-965-11		22µF		50V	C5310	1-126-964-11	ELECT	10µF	20%	50V
C5141	1-136-189-00		0.1µF		250V	C5311	1-136-177-00	MYLAR	1µF	5%	50V
C5142	1-162-117-00		100pF		500V						
						C5312	1-163-021-91	CERAMIC CHIP	0.01uF	10%	50V
C5143	1-115-521-11	FILM	0.82µF	5%	250V	C5313	1-126-933-11		100µF	20%	16V
C5145	1-104-665-11		100µF	20%		C5314	1-126-969-11		220µF	20%	
C5146	1-107-655-11		47µF		250V	C5315	1-126-964-11		10µF	20%	
C5147	1-102-228-00		470pF		500V	C5316	1-137-401-11		0.22µF		100V
C5148	1-126-941-11		470µF	20%		233.0			p*	. 5 75	
00110			• μ			C5317	1-104-664-11	FLECT	47µF	20%	16V
C5149	1-126-941-11	FLECT	470µF	20%	25V	C5318		CERAMIC CHIP		10%	
C5150		CERAMIC CHIP				C5319	1-126-941-11		470µF	20%	25V
C5151		CERAMIC CHIP			50V	C5320	1-126-972-11		1000uF		50V
C5152	1-126-972-11		1000μF	20%	50V	C5321		CERAMIC CHIP	•	5%	50V
C5153	1-126-972-11		1000μF	20%	50V	03321	1-100-2-0-11	CLIVAIVIIC CI III	-i pi	376	JU V
00100	1-120-372-11	LLLOI	тооорг	2070	00 v	C5323	1_163_021_01	CERAMIC CHIP	0.01uE	10%	50V
C5158	1-124-347-51	FLECT	100µF	20%	160V	C5326	1-126-972-11		1000uF	20%	
C5159	1-126-935-11		470µF	20%	16V	C5327		CERAMIC CHIP		5%	50V
C5160	1-126-935-11		470μF	20%	16V	C5328		CERAMIC CHIP	•	10%	
C5163		CERAMIC CHIP			50V	C5329		CERAMIC CHIP		5%	50V
C5164		CERAMIC CHIP				C5529	1-103-251-11	CERAWIC CHIP	тоорг	576	307
C3 104	1-104-101-11	CERAINIC CHIP	0.0022μΓ	1076	90 V	C5331	1-126-960-11	ELECT	1µF	20%	50V
C5165	1-126-967-11	ELECT	47µF	20%	E0\/	C5331		CERAMIC CHIP		10%	50V
C5166	1-120-907-11		47μF 47μF	20%		C5332		CERAMIC CHIP			50V
			47μF	20%		C5334			•	20%	50V
C5167 C5168	1-126-967-11		47μF	20%	50V 50V	C5334	1-126-960-11		1μF	20%	50V 50V
C5166	1-107-909-11		•		50V 50V	C5401	1-126-967-11	ELECT	47µF	20%	900
C3170	1-103-037-11	CERAMIC CHIP	0.022µF	10%	90V	C5402	1 104 664 14	ELECT	47E	20%	25V
CE171	1 106 207 00	MVIAD	0.060E	10%	200V	C5402	1-104-664-11		47μF 0.0047μF	10%	
C5171	1-106-387-00		0.068µF			C5403	1-102-125-00 1-102-125-00				
C5172		CERAMIC CHIP			50V				0.0047µF	10%	
C5173		CERAMIC CHIP			50V	C5405	1-102-125-00		0.0047µF	10%	
C5174		CERAMIC CHIP			50V	C5406	1-104-664-11	ELECT	47µF	20%	257
C5175	1-126-967-11	ELECT	47µF	20%	50V	05407	4 400 405 00	LOG AD	04	-0 /	F0\ /
05470	4 400 007 11	FLEOT	47	000/	E01 /	C5407	1-130-495-00		0.1µF	5% 5%	50V
C5176	1-126-967-11		47µF	20%		C5507	1-102-973-00		100pF	5%	50V
C5204	1-126-933-11		100µF		16V	C5508	1-102-973-00		100pF	5%	50V
C5205	1-130-495-00		0.1µF	5%	50V	C5509	1-102-973-00		100pF	5%	50V
C5206	1-126-960-11		1µF	20%	50V	C5510	1-102-973-00	CERAMIC	100pF	5%	50V
C5207	1-126-965-11	ELECT	22µF	20%	50V						
						C5511	1-102-973-00		100pF	5%	50V
C5208		CERAMIC CHIP	•	10%	50V	C5512	1-102-973-00		100pF	5%	50V
C5209	1-163-275-11	CERAMIC CHIP	0.001µF	5%	50V	C5517	1-126-965-11		22µF	20%	
C5211	1-130-495-00		0.1µF	5%	50V	C5518	1-126-965-11		22µF	20%	50V
C5214	1-126-935-11		470µF	20%	16V	C5519	1-126-969-11	ELECT	220µF	20%	50V
C5215	1-126-964-11	ELECT	10µF	20%	50V						
						C5520	1-126-969-11		220µF	20%	50V
C5216	1-164-096-11		0.01µF		50V	C5521	1-130-495-00	MYLAR	0.1µF	5%	50V
C5217	1-164-096-11	CERAMIC	0.01µF		50V	C5522	1-130-495-00	MYLAR	0.1µF	5%	50V
C5218	1-164-096-11	CERAMIC	0.01µF		50V	C5523	1-126-971-11	ELECT	470µF	20%	50V
C5219	1-164-096-11		0.01µF		50V	C5524	1-126-971-11		470µF	20%	50V
C5220	1-164-096-11		0.01µF		50V				•		
		-	•			C5527	1-126-969-11	ELECT	220µF	20%	50V
C5221	1-164-096-11	CERAMIC	0.01µF		50V	C5528	1-126-969-11		220µF	20%	
C5222	1-164-096-11		0.01µF		50V	C5529	1-137-150-11		0.01µF	5%	50V
C5223	1-126-960-11		1μF	20%		C5530	1-137-150-11		0.01µF	5%	50V
		-				I					



REF.NO.	PART NO.	DESCRIPTION		R	REMARK	REF.NO.	PART NO.	DESCRIPTION	l	REMARK
					-0.4					
C5711	1-136-165-00	MYLAR	0.1µF	5%	50V	D5202 D5203		DIODE RD5.1E DIODE MTZJ-T		
C5712	1-136-177-00	MYI AR	1µF	5%	50V	D5203		DIODE MTZJ-7		
C5713	1-104-665-11		100µF		25V	D5205		DIODE 1SS133		
C5714	1-130-471-00		0.001µF	5%	50V	D5207		DIODE 1SS133		
C5715	1-137-150-11		0.01µF	5%	50V					
C5716	1-104-665-11	ELECT	100µF	20%	25V	D5208	8-719-991-33	DIODE 1SS133	T-77	
						D5301		DIODE MTZJ-T		
C5717	1-126-968-11		100µF	20%	50V	D5302		DIODE 1SS133	T-77	
C5718	1-162-114-00		0.0047µF	000/	2KV	D5303		DIODE GP08D		
C5719 C5720	1-126-968-11 1-137-372-11		100µF 0.022µF	20% 5%	50V 50V	D5304	8-719-908-03	DIODE GP08D		
C5721	1-104-661-91		330µF		16V	D5305	8-719-991-33	DIODE 1SS133	T-77	
00/21	1 10 1 00 1 0 1	LLLOI	осорі	2070		D5306		DIODE MTZJ-T		
C5722	1-126-934-11	ELECT	220µF	20%	16V	D5307		DIODE MTZJ-T		
C5727		CERAMIC CHIP			50V	D5308		DIODE MTZJ-T		
C5728		CERAMIC CHIP		10%	50V	D5309	8-719-924-16	DIODE MTZJ-T	-77-24	
C5759	1-126-964-11	ELECT	10μF	20%	50V					
C5760	1-164-182-11	CERAMIC CHIP	0.0033µF	10%	50V	D5401		DIODERD10ES		
						D5402		DIODE MTZJ-T		
		_				D5701		DIODE 1SS133		
	<connecto< td=""><td>DR></td><td></td><td></td><td></td><td>D5704</td><td></td><td>DIODE 1SS133</td><td></td><td></td></connecto<>	DR>				D5704		DIODE 1SS133		
ONEGO4	*4 504 500 44	DI LIO CONNEC	2700 00			D5719	8-719-923-86	DIODE MTZJ-T	-//-15	
		PLUG, CONNECT		VDD/	2D	D5721	9 710 022 98	DIODE MTZJ-T	77.15	
		PIN, CONNECT		AND	JF	D5721		DIODE RGP02-		
		TAB (CONTACT				D5726		DIODE 1SS133		
		PLUG, CONNEC	,			D5727		DIODE 1SS133		
		,				D5732		DIODE 1SS133		
CN5007	* 1-580-689-11	PIN, CONNECT	OR (PC BO	ARD)	4P					
		PIN, CONNECT								
		PIN, CONNECT		ARD)	4P		<ferritbe <="" td=""><td>ND></td><td></td><td></td></ferritbe>	ND>		
		PLUG, CONNEC								
CN5011	* 1-564-507-11	PLUG, CONNEC	STOR 4P			FB5102	1-412-911-11		0μH	
CNE012	* 1 564 507 11	PLUG, CONNEC	TOD 4D			FB5103	1-412-911-11	FERRITE	0μH	
		PLUG, CONNEC								
		PIN, CONNECT		ARD)	4P		<ic></ic>			
		CONNECTOR, I					1,0			
		CONNECTOR A				IC5103	8-759-701-79	IC NJM7812FA		
						IC5104	8-759-929-65	IC LM7912CT		
		CONNECTOR A				IC5105		IC NJM78M05F	Α	
		PLUG, CONNEC				IC5106		IC NJM7905FA		
		PLUG, CONNEC				IC5107	8-759-701-59	IC NJM78M09F	A	
		PLUG, CONNEC		DO 4 F	D 45D	105004	0.750.005.07	. 10 1 14000110		
UN0402	1-091-016-21	CONNECTOR, I	DUAKU 10	DUAH	אפו ש	IC5201 IC5301		IC LM339NS		
						IC5301	8-759-251-31			
	<diode></diode>					IC5302	8-759-998-98			
	DIODE					IC5401		IC NJM2058D		
D5001	8-719-991-33	DIODE 1SS133	T-77							
D5002	8-719-991-33	DIODE 1SS133	T-77			IC5501	8-749-014-67	IC STK392-020		
D5006	8-719-991-33	DIODE 1SS133	T-77			IC5502	8-749-014-67	IC STK392-020		
D5008	8-719-991-33	DIODE 1SS133	Г-77			IC5703	8-759-711-28	IC NJM2058D		
D5101	8-719-983-38	DIODE MTZJ-T-	·77-36B							
DE407	0.740.070.00	DIODE EDDAM					-OLUD GONE	NIOTOD:		
D5107		DIODE ENG.36		4			<chip cone<="" td=""><td>JUGTUK></td><td></td><td></td></chip>	JUGTUK>		
D5108 D5114		DIODE FMG-36 DIODE ERC38-0		-		JR5301	1-216-295-91	SHORT	0	
D5114 D5115		DIODE EL1Z				JR5303	1-216-295-91		0	
D5116		DIODE EGP20G	}			0110000	1-210-200-01	OHOICI		
						1				
D5117	8-719-302-43	DIODE EL1Z					<coil></coil>			
D5118		DIODE EGP200				1				
D5121		DIODE EGP20G				L5101	1-406-665-11		100µH	
D5122		DIODE EGP20G				L5105	1-459-111-00		10mH	
D5201	ช- <i>/</i> 19-991-33	DIODE 1SS133	I <i>-//</i>			L5107	1-412-533-21	INDUCTOR	47µH	

The components identified by shading and mark ∆ are critical for safety. Replace only with part number specified.



	PART NO.	DESCRIPTION	l	REMARK	REF.NO.	PART NO.	DESCRIPTION		R	REMAR
5108	1-412-533-21	INDUCTOR	47µH			<resistor></resistor>	•			
. 5109	1-412-519-11	INDUCTOR	3.3µH							
					R5004	1-216-089-91		47K	5%	1/10V
.5201	1-414-187-11		47µH		R5013	1-216-089-91		47K	5%	1/10V
5301	1-412-524-11	INDUCTOR	8.2µH		R5023	1-216-065-91	RES-CHIP	4.7K	5%	1/10V
5501	1-412-533-21	INDUCTOR	47µH		R5048	1-216-041-00	RES-CHIP	470	5%	1/10V
5502	1-412-533-21	INDUCTOR	47µH		R5101	1-215-926-00	METAL OXIDE	33K	5%	3W
5503	1-412-533-21		47µH							
			•		R5112	1-247-843-11	CARBON	3.3K	5%	1/4W
5504	1-412-533-21	INDUCTOR	47µH		R5115		METAL OXIDE		5%	1W
					R5119		METAL OXIDE		5%	3W
					R5120		METAL OXIDE		5%	3W
	<neon lam<="" td=""><td>>></td><td></td><td></td><td>R5122</td><td></td><td>METAL OXIDE</td><td></td><td>5%</td><td>3W</td></neon>	> >			R5122		METAL OXIDE		5%	3W
	1-517-778-21	•			R5136	1-215-443-00		8.2K	1%	1/4W
	1-517-778-21				R5138	1-215-457-00		33K	1%	1/4W
L5103	1-517-778-21	LAMP, NEON			R5139	1-216-391-11	METAL OXIDE	1.5	5%	3W
IL5402	1-517-778-21	LAMP, NEON			R5140	1-215-449-00	METAL	15K	1%	1/4W
					R5141	1-215-911-11	METAL OXIDE	100	5%	3W
	<ic link=""></ic>				DE146	4 04E 040 00	METAL OVIDE	60	E0/	214/
	~IO LINK>				R5146		METAL OXIDE		5%	3W
					R5147		METAL OXIDE		5%	3W
		LINK, IC (1A/90)			R5148	1-249-377-11		0.47	5%	1/4W
		LINK, IC (5A/90)			R5149	1-247-807-31		100	5%	1/4W
		LINK, IC (5A/90)			R5152	1-216-377-11	METAL OXIDE	4.7	5%	2W
		LINK, IC (5A/90)			DE450	4 040 070 44	OA DDON	0.00	=0/	4/454
S5504Z	∆1-533-597-31	LINK, IC (5A/90)	V AC, 60V DC)		R5153	1-249-379-11		0.68	5%	1/4W
					R5154	1-260-127-11		220K	5%	1/2W
		LINK, IC (3.15A)			R5155	1-214-909-00		68K	1%	1/2W
		LINK, IC (3.15A)			R5157	1-215-908-00	METAL OXIDE	33	5%	3W
		LINK, IC (3.15A)							(ES	343,ES
		LINK, IC (3.15A			R5157	1-216-474-11	METAL OXIDE	33	5ŵ	3W
		LINK, IC (3.15A								(ES
95550 /	↑ 1_533_505_31	LINK, IC (3.15A)	/00\/ AC 60\/ D(C)	R5157	1_216_472_00	METAL OXIDE	22	5%	3W
000002	± 1-000-000-01	LINK, 10 (3.1374	30 V AO, 00 V D	<i>J</i> ,	10107	1-210-472-00	WILLIAL OXIDE	55	370	(ES
					R5158	1-216-340-00	METAL OXIDE	1	5%	1W
	<transisto< td=""><td>1D></td><td></td><td></td><td>R5159</td><td></td><td>METAL OXIDE</td><td></td><td>5%</td><td>3W</td></transisto<>	1D>			R5159		METAL OXIDE		5%	3W
	11101101010	11.00			130100	1-210-300-00	WILLIAL OXIDE	55		343,ES
5006	1 001 006 11	TRANSISTOR D	TC144EKA		R5159	1 216 474 11	METAL OVIDE	22	5%	3W
				40 D	Kalaa	1-210-4/4-11	METAL OXIDE	33	5%	
25009		TRANSISTOR 2		16-K			METAL OVIDE	00		(ES
		TRANSISTOR 2				4 0 4 0 4 1 1 0 0 0	METAL OXIDE		=	
					R5159	1-216-472-00		33	5%	ЗŴ
5104	8-729-051-81	TRANSISTOR 2	2SC5047-YB		R5159	1-216-472-00		33	5%	ЗŴ
5104	8-729-051-81		2SC5047-YB	1						3W (ES
5104 5105	8-729-051-81 8-729-038-83	TRANSISTOR 2 TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19)	R5160	1-216-472-00 1-249-377-11	CARBON	0.47	5% 5%	3W (ES
5104 5105	8-729-051-81 8-729-038-83	TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19)						3W (ES
5104 5105 5106	8-729-051-81 8-729-038-83 8-729-119-76	TRANSISTOR 2 TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE)	R5160	1-249-377-11 1-249-377-11		0.47 0.47	5%	3W (ES
5104 5105 5106 5201	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6		R5160 R5161 R5162	1-249-377-11 1-249-377-11 1-216-393-00	CARBON METAL OXIDE	0.47 0.47 2.2	5% 5%	3W (ES 1/4W 1/4W
5104 5105 5106 5201 5302	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28 8-729-026-49	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6 2SA1037AK-T-14		R5160 R5161 R5162 R5163	1-249-377-11 1-249-377-11 1-216-393-00 1-216-392-11	CARBON METAL OXIDE METAL OXIDE	0.47 0.47 2.2 1.8	5% 5% 5% 5%	3W (ES 1/4W 1/4W 3W 3W
5104 5105 5106 5201 5302 5303	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28 8-729-026-49 8-729-120-28	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6 2SA1037AK-T-14 2SC1623-L5L6		R5160 R5161 R5162	1-249-377-11 1-249-377-11 1-216-393-00	CARBON METAL OXIDE METAL OXIDE	0.47 0.47 2.2	5% 5% 5%	3W (ES 1/4W 1/4W 3W 3W
5104 5105 5106 5201 5302 5303	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28 8-729-026-49 8-729-120-28	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6 2SA1037AK-T-14 2SC1623-L5L6		R5160 R5161 R5162 R5163 R5164	1-249-377-11 1-249-377-11 1-216-393-00 1-216-392-11 1-249-393-11	CARBON METAL OXIDE METAL OXIDE CARBON	0.47 0.47 2.2 1.8 10	5% 5% 5% 5% 5%	3W (ES 1/4W 1/4W 3W 3W 1/4W
5104 5105 5106 5201 5302 5303 5401	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28 8-729-026-49 8-729-120-28 8-729-422-27	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6 2SA1037AK-T-14 2SC1623-L5L6 2SD601A-Q		R5160 R5161 R5162 R5163 R5164	1-249-377-11 1-249-377-11 1-216-393-00 1-216-392-11 1-249-393-11 1-215-905-11	CARBON METAL OXIDE METAL OXIDE CARBON METAL OXIDE	0.47 0.47 2.2 1.8 10	5% 5% 5% 5% 5%	3W (ES 1/4W 1/4W 3W 3W 1/4W
15104 15105 15106 15201 15302 15303 15401	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28 8-729-026-49 8-729-120-28 8-729-422-27 8-729-216-22	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6 2SA1037AK-T-14 2SC1623-L5L6 2SD601A-Q 2SA1162-G		R5160 R5161 R5162 R5163 R5164 R5166 R5169	1-249-377-11 1-249-377-11 1-216-393-00 1-216-392-11 1-249-393-11 1-215-905-11 1-249-424-11	CARBON METAL OXIDE METAL OXIDE CARBON METAL OXIDE CARBON	0.47 0.47 2.2 1.8 10 10 3.9K	5% 5% 5% 5% 5% 5%	3W (ES 1/4W 1/4W 3W 1/4W 3W 1/4W
25104 25105 25106 25201 25302 25303 25401 25402 25403	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28 8-729-026-49 8-729-120-28 8-729-422-27 8-729-216-22 1-801-806-11	TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6 2SA1037AK-T-14 2SC1623-L5L6 2SD601A-Q 2SA1162-G DTC144EKA	46-R	R5160 R5161 R5162 R5163 R5164 R5166 R5169 R5171	1-249-377-11 1-249-377-11 1-216-393-00 1-216-392-11 1-249-393-11 1-215-905-11 1-249-424-11 1-249-429-11	CARBON METAL OXIDE METAL OXIDE CARBON METAL OXIDE CARBON CARBON	0.47 0.47 2.2 1.8 10 10 3.9K 10K	5% 5% 5% 5% 5% 5% 5%	3W (ES 1/4W 1/4W 3W 3W 1/4W 3W 1/4W
5104 5105 5106 5201 5302 5303 5401 5402 5403 5501	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28 8-729-120-28 8-729-422-27 8-729-216-22 1-801-806-11 8-729-423-33	TRANSISTOR 2 TRANSISTOR 1 TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6 2SA1037AK-T-14 2SC1623-L5L6 2SD601A-Q 2SA1162-G DTC144EKA 2SC3311A-QRS	46-R TA	R5160 R5161 R5162 R5163 R5164 R5166 R5169 R5171 R5172	1-249-377-11 1-249-377-11 1-216-393-00 1-216-392-11 1-249-393-11 1-215-905-11 1-249-424-11 1-249-429-11 1-249-417-11	CARBON METAL OXIDE METAL OXIDE CARBON METAL OXIDE CARBON CARBON CARBON	0.47 0.47 2.2 1.8 10 10 3.9K 10K 1K	5% 5% 5% 5% 5% 5% 5%	3W (ES 1/4W 1/4W 3W 1/4W 3W 1/4W 1/4W 1/4W
5104 5105 5106 5201 5302 5303 5401 5402 5403 5501 5502	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28 8-729-120-28 8-729-422-27 8-729-422-27 8-729-216-22 1-801-806-11 8-729-423-33 8-729-423-33	TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6 2SA1037AK-T-14 2SC1623-L5L6 2SD601A-Q 2SA1162-G DTC144EKA 2SC3311A-QRS' 2SC3311A-QRS'	46-R TA	R5160 R5161 R5162 R5163 R5164 R5166 R5169 R5171	1-249-377-11 1-249-377-11 1-216-393-00 1-216-392-11 1-249-393-11 1-215-905-11 1-249-424-11 1-249-429-11 1-249-417-11	CARBON METAL OXIDE METAL OXIDE CARBON METAL OXIDE CARBON CARBON	0.47 0.47 2.2 1.8 10 10 3.9K 10K 1K	5% 5% 5% 5% 5% 5% 5%	3W (ES 1/4W 1/4W 3W 1/4W 3W 1/4W 1/4W
5104 5105 5106 5201 5302 5303 5401 5402 5403 5501 5502	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28 8-729-120-28 8-729-422-27 8-729-422-27 8-729-216-22 1-801-806-11 8-729-423-33 8-729-423-33	TRANSISTOR 2 TRANSISTOR 1 TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6 2SA1037AK-T-14 2SC1623-L5L6 2SD601A-Q 2SA1162-G DTC144EKA 2SC3311A-QRS' 2SC3311A-QRS'	46-R TA	R5160 R5161 R5162 R5163 R5164 R5166 R5169 R5171 R5172 R5173	1-249-377-11 1-249-377-11 1-216-393-00 1-216-392-11 1-249-393-11 1-215-905-11 1-249-424-11 1-249-427-11 1-249-417-11 1-215-905-11	CARBON METAL OXIDE METAL OXIDE CARBON METAL OXIDE CARBON CARBON CARBON CARBON METAL OXIDE	0.47 0.47 2.2 1.8 10 10 3.9K 10K 1K	5% 5% 5% 5% 5% 5% 5% 5%	3W (ES 1/4W 1/4W 3W 1/4W 3W 1/4W 1/4W 1/4W 3W
25104 25105 25106 25201 25302 25303 25401 25402 25403 25501 25502 25503	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28 8-729-026-49 8-729-120-28 8-729-216-22 1-801-806-11 8-729-423-33 8-729-119-76	TRANSISTOR 2 TRANSISTOR 0 TRANSISTOR 0 TRANSISTOR 0 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2 TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6 2SA1037AK-T-14 2SC1623-L5L6 2SD601A-Q 2SA1162-G DTC144EKA 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS'	46-R TA TA	R5160 R5161 R5162 R5163 R5164 R5166 R5169 R5171 R5172 R5173	1-249-377-11 1-249-377-11 1-216-393-00 1-216-392-11 1-249-393-11 1-215-905-11 1-249-424-11 1-249-429-11 1-249-417-11 1-215-905-11	CARBON METAL OXIDE METAL OXIDE CARBON METAL OXIDE CARBON CARBON CARBON METAL OXIDE METAL OXIDE	0.47 0.47 2.2 1.8 10 10 3.9K 10K 1K 10	5% 5% 5% 5% 5% 5% 5% 5% 5%	3W (ES 1/4W 1/4W 3W 1/4W 3W 1/4W 1/4W 3W 3W
5104 5105 5106 5201 5302 5303 5401 5402 55403 55501 5502 5503	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28 8-729-026-49 8-729-120-28 8-729-422-27 8-729-216-22 1-801-806-11 8-729-423-33 8-729-423-33 8-729-119-76	TRANSISTOR 2 TRANSISTOR 1 TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6 2SC1623-L5L6 2SC623-L5L6 2SD601A-Q 2SA1162-G DTC144EKA 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS'	46-R TA TA	R5160 R5161 R5162 R5163 R5164 R5166 R5169 R5171 R5172 R5173 R5174 R5175	1-249-377-11 1-249-377-11 1-216-392-11 1-249-393-11 1-249-393-11 1-249-424-11 1-249-429-11 1-249-417-11 1-215-905-11 1-215-905-11	CARBON METAL OXIDE METAL OXIDE CARBON METAL OXIDE CARBON CARBON CARBON METAL OXIDE METAL OXIDE METAL OXIDE	0.47 0.47 2.2 1.8 10 10 3.9K 10K 1K 10	5% 5% 5% 5% 5% 5% 5% 5% 5%	3W (ES 1/4W 1/4W 3W 1/4W 3W 1/4W 1/4W 3W 3W 3W
15104 15105 15106 15201 15302 15303 15401 15402 15403 15501 15502 15503	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28 8-729-026-49 8-729-422-27 8-729-422-27 8-729-216-22 1-801-806-11 8-729-423-33 8-729-119-76 8-729-423-33 8-729-119-76	TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SK1175-HFE 2SC1623-L5L6 2SK1037AK-T-14 2SC1623-L5L6 2SD601A-Q 2SK1162-G DTC144EKA 2SC3311A-QRS' 2SK1175-HFE 2SC3311A-QRS' 2SK1175-HFE	46-R TA TA	R5160 R5161 R5162 R5163 R5164 R5166 R5169 R5171 R5172 R5173 R5174 R5175 R5201	1-249-377-11 1-249-377-11 1-216-393-01 1-216-392-11 1-249-393-11 1-249-424-11 1-249-424-11 1-249-417-11 1-215-905-11 1-215-905-11 1-215-905-11 1-216-059-00	CARBON METAL OXIDE METAL OXIDE CARBON METAL OXIDE CARBON CARBON CARBON METAL OXIDE METAL OXIDE METAL OXIDE METAL OXIDE RES-CHIP	0.47 0.47 2.2 1.8 10 10 3.9K 10K 1K 10 10 10 2.7K	5% 5% 5% 5% 5% 5% 5% 5% 5%	3W (ES 1/4W 1/4W 3W 1/4W 3W 1/4W 1/4W 3W 3W 3W 1/10V
5104 5105 5106 5201 5302 5303 5401 5402 5503 5501 5502 5503	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28 8-729-026-49 8-729-120-28 8-729-422-27 8-729-216-22 1-801-806-11 8-729-423-33 8-729-119-76 8-729-423-33 8-729-119-76 8-729-423-33	TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6 2SA1037AK-T-14 2SC1623-L5L6 2SD601A-Q 2SA1162-G DTC144EKA 2SC3311A-QRS' 2SA1175-HFE 2SC3311A-QRS' 2SA1175-HFE 2SC3311A-QRS' 2SA1175-HFE 2SC3311A-QRS'	46-R TA TA TA	R5160 R5161 R5162 R5163 R5164 R5166 R5169 R5171 R5172 R5173 R5174 R5175	1-249-377-11 1-249-377-11 1-216-393-00 1-216-392-11 1-249-393-11 1-249-424-11 1-249-424-11 1-249-417-11 1-215-905-11 1-215-905-11 1-215-905-11 1-216-059-00 1-216-049-91	CARBON METAL OXIDE METAL OXIDE CARBON METAL OXIDE CARBON CARBON CARBON METAL OXIDE METAL OXIDE METAL OXIDE METAL OXIDE RES-CHIP RES-CHIP	0.47 0.47 2.2 1.8 10 10 3.9K 10K 1K 10 10 2.7K	5% 5% 5% 5% 5% 5% 5% 5% 5%	3W (ES 1/4W 3W 3W 1/4W 3W 1/4W 1/4W 3W 3W 3W 3W 1/10V
5104 5105 5106 5201 5302 5303 5401 5402 5403 5501 5502 5503 5504 5505 5506	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28 8-729-026-49 8-729-120-28 8-729-422-27 8-729-216-22 1-801-806-11 8-729-423-33 8-729-119-76 8-729-423-33 8-729-119-76 8-729-423-33	TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6 2SA1037AK-T-14 2SC1623-L5L6 2SD601A-Q 2SA1162-G DTC144EKA 2SC3311A-QRS' 2SA1175-HFE 2SC3311A-QRS' 2SA1175-HFE 2SC3311A-QRS' 2SA1175-HFE 2SC3311A-QRS'	46-R TA TA TA	R5160 R5161 R5162 R5163 R5164 R5166 R5169 R5171 R5172 R5173 R5174 R5175 R5201	1-249-377-11 1-249-377-11 1-216-393-00 1-216-392-11 1-249-393-11 1-249-424-11 1-249-424-11 1-249-417-11 1-215-905-11 1-215-905-11 1-215-905-11 1-216-059-00 1-216-049-91	CARBON METAL OXIDE METAL OXIDE CARBON METAL OXIDE CARBON CARBON CARBON METAL OXIDE METAL OXIDE METAL OXIDE METAL OXIDE RES-CHIP	0.47 0.47 2.2 1.8 10 10 3.9K 10K 1K 10 10 2.7K	5% 5% 5% 5% 5% 5% 5% 5% 5%	3W (ES 1/4W 3W 3W 1/4W 3W 1/4W 1/4W 3W 3W 3W 3W 1/10V
5104 5105 5106 5201 5302 5303 5401 5402 5503 5501 5502 5503 5504 5505 5506 5704	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28 8-729-026-49 8-729-120-28 8-729-422-27 8-729-216-22 1-801-806-11 8-729-423-33 8-729-119-76 8-729-423-33 8-729-119-76 8-729-423-33 8-729-423-33	TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6 2SA1037AK-T-14 2SC1623-L5L6 2SD601A-Q 2SA1162-G DTC144EKA 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS'	46-R TA TA TA	R5160 R5161 R5162 R5163 R5164 R5166 R5169 R5171 R5172 R5173 R5174 R5175 R5201 R5202	1-249-377-11 1-249-377-11 1-216-393-00 1-216-392-11 1-249-393-11 1-249-424-11 1-249-424-11 1-249-417-11 1-215-905-11 1-215-905-11 1-215-905-11 1-216-059-00 1-216-049-91	CARBON METAL OXIDE METAL OXIDE CARBON METAL OXIDE CARBON CARBON CARBON METAL OXIDE METAL OXIDE METAL OXIDE METAL OXIDE RES-CHIP RES-CHIP	0.47 0.47 2.2 1.8 10 10 3.9K 10K 1K 10 10 2.7K	5% 5% 5% 5% 5% 5% 5% 5% 5% 5%	3W (ES 1/4W 1/4W 3W 1/4W 3W 1/4W 1/4W 3W 3W 3W 1/10V 1/10V
5104 5105 5106 5201 5302 5303 5401 5402 5503 5501 5502 5503 5504 5505 5506 5704	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28 8-729-026-49 8-729-120-28 8-729-422-27 8-729-216-22 1-801-806-11 8-729-423-33 8-729-119-76 8-729-423-33 8-729-119-76 8-729-423-33 8-729-423-33	TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6 2SA1037AK-T-14 2SC1623-L5L6 2SD601A-Q 2SA1162-G DTC144EKA 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS'	46-R TA TA TA	R5160 R5161 R5162 R5163 R5164 R5166 R5169 R5171 R5172 R5173 R5174 R5175 R5201 R5202	1-249-377-11 1-249-377-11 1-216-393-00 1-216-392-11 1-249-393-11 1-249-424-11 1-249-424-11 1-249-417-11 1-215-905-11 1-215-905-11 1-215-905-11 1-216-059-00 1-216-049-91	CARBON METAL OXIDE METAL OXIDE CARBON METAL OXIDE CARBON CARBON CARBON METAL OXIDE METAL OXIDE METAL OXIDE METAL OXIDE METAL OXIDE MES-CHIP RES-CHIP METAL OXIDE	0.47 0.47 2.2 1.8 10 10 3.9K 10K 1K 10 10 2.7K	5% 5% 5% 5% 5% 5% 5% 5% 5% 5%	3W (ES 1/4W 3W 3W 1/4W 1/4W 1/4W 3W 3W 3W 1/10V 1/10V 1/10V
15104 15105 15106 15201 15302 15303 15401 15502 15503 15504 15505 15504 15506 15704	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28 8-729-026-49 8-729-120-28 8-729-216-22 1-801-806-11 8-729-423-33 8-729-119-76 8-729-423-33 8-729-119-76 8-729-423-33 8-729-13-33 8-729-13-33 8-729-13-33	TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6 2SC1623-L5L6 2SD601A-Q 2SA1162-G DTC144EKA 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS'	46-R TA TA TA	R5160 R5161 R5162 R5163 R5164 R5166 R5169 R5171 R5172 R5173 R5174 R5175 R5201 R5202 R5203	1-249-377-11 1-249-377-11 1-216-393-00 1-216-392-11 1-249-393-11 1-249-424-11 1-249-424-11 1-249-417-11 1-215-905-11 1-215-905-11 1-215-905-11 1-216-059-00 1-216-049-91 1-215-879-11	CARBON METAL OXIDE METAL OXIDE CARBON METAL OXIDE CARBON CARBON METAL OXIDE METAL OXIDE METAL OXIDE METAL OXIDE RES-CHIP RES-CHIP METAL OXIDE RES-CHIP	0.47 0.47 2.2 1.8 10 10 3.9K 10K 1K 10 10 10 2.7K 1K 47K	5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5%	3W (ES 1/4W 1/4W 3W 3W 1/4W 1/4W 1/4W 3W 3W 1/10V 1/10V 1/10V
15104 15105 15106 15201 15302 15303 15401 15502 15503 15504 15505 15505 15506 15704 15705	8-729-051-81 8-729-038-83 8-729-119-76 8-729-120-28 8-729-026-49 8-729-120-28 8-729-216-22 1-801-806-11 8-729-423-33 8-729-119-76 8-729-423-33 8-729-119-76 8-729-423-33 8-729-129-73 8-729-119-76	TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6 2SC1623-L5L6 2SD601A-Q 2SA1162-G 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC5022	TA TA TA TA	R5160 R5161 R5162 R5163 R5164 R5166 R5169 R5171 R5172 R5173 R5174 R5175 R5201 R5202 R5203 R5204 R5205	1-249-377-11 1-249-377-11 1-216-392-01 1-249-393-11 1-249-424-11 1-249-429-11 1-249-417-11 1-215-905-11 1-215-905-11 1-216-059-00 1-216-049-91 1-216-059-00 1-216-059-00 1-216-059-00	CARBON METAL OXIDE METAL OXIDE CARBON METAL OXIDE CARBON CARBON CARBON METAL OXIDE METAL OXIDE METAL OXIDE METAL OXIDE RES-CHIP RES-CHIP RES-CHIP RES-CHIP	0.47 0.47 2.2 1.8 10 10 3.9K 10K 1K 10 10 2.7K 1K 47K 2.7K 2.7K	5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5%	3W (ES 1/4W 1/4W 3W 1/4W 1/4W 1/4W 3W 3W 1/10V 1/10V 1/10V 1/10V
25104 25105 25106 25201 25302 25303 25401 25402 25403 25501 25502 25503 25504 25505 25506 25704 25705 25706 25706	8-729-051-81 8-729-119-76 8-729-120-28 8-729-026-49 8-729-120-28 8-729-216-22 1-801-806-11 8-729-423-33 8-729-423-33 8-729-119-76 8-729-423-33 8-729-119-76 8-729-423-33 8-729-119-76 8-729-423-33 8-729-119-76 8-729-423-33	TRANSISTOR 2	2SC5047-YB 2SK2251-01-F19 2SA1175-HFE 2SC1623-L5L6 2SC1623-L5L6 2SD601A-Q 2SA1162-G DTC144EKA 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC5022 2SA1175-HFE 2SC5022	TA TA TA TA TA	R5160 R5161 R5162 R5163 R5164 R5166 R5169 R5171 R5172 R5173 R5174 R5175 R5201 R5202 R5203 R5204 R5205 R5206	1-249-377-11 1-249-377-11 1-216-392-11 1-249-393-11 1-249-424-11 1-249-429-11 1-249-417-11 1-215-905-11 1-215-905-11 1-216-059-00 1-216-049-91 1-216-059-00 1-216-059-00 1-216-059-00 1-216-059-00 1-216-059-00 1-216-059-00	CARBON METAL OXIDE METAL OXIDE CARBON METAL OXIDE CARBON CARBON CARBON METAL OXIDE METAL OXIDE METAL OXIDE METAL OXIDE RES-CHIP RES-CHIP RES-CHIP RES-CHIP RES-CHIP METAL OXIDE	0.47 0.47 2.2 1.8 10 10 3.9K 10K 1K 10 10 2.7K 1K 47K 2.7K 2.7K 2.0K	5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5%	3W (ES 1/4W 1/4W 3W 1/4W 3W 1/4W 1/4W 3W 3W 1/10V 1/10V 1/10V 1/10V
25102 25104 25105 25106 25201 25302 25303 25401 25402 25403 25505 25505 25505 25506 25704 25705 25706 25706 25710 25711	8-729-051-81 8-729-119-76 8-729-120-28 8-729-026-49 8-729-422-27 8-729-422-27 8-729-423-33 8-729-423-33 8-729-423-33 8-729-119-76 8-729-423-33 8-729-119-76 8-729-423-33 8-729-119-76 8-729-423-33 8-729-119-76 8-729-423-33 8-729-119-76	TRANSISTOR 2	2SC5047-YB 2SK251-01-F19 2SK1175-HFE 2SC1623-L5L6 2SC1623-L5L6 2SC1623-L5L6 2SD601A-Q 2SK1162-G DTC144EKA 2SC3311A-QRS' 2SC3311A-QRS' 2SK1175-HFE 2SC3311A-QRS' 2SK1175-HFE 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC3311A-QRS' 2SC5022 2SK1175-HFE 2SC3211A-QRS' 2SC5022 2SK1175-HFE 2SC4632LS-CB7 2SK1037AK-T-14	TA TA TA TA TA	R5160 R5161 R5162 R5163 R5164 R5166 R5169 R5171 R5172 R5173 R5174 R5175 R5201 R5202 R5203 R5204 R5205	1-249-377-11 1-249-377-11 1-216-392-11 1-249-393-11 1-249-424-11 1-249-429-11 1-249-417-11 1-215-905-11 1-215-905-11 1-216-059-00 1-216-049-91 1-216-059-00 1-216-059-00 1-216-059-00 1-216-059-00 1-216-059-00 1-216-059-00	CARBON METAL OXIDE METAL OXIDE CARBON METAL OXIDE CARBON CARBON CARBON METAL OXIDE METAL OXIDE METAL OXIDE RES-CHIP RES-CHIP METAL OXIDE RES-CHIP METAL OXIDE	0.47 0.47 2.2 1.8 10 10 3.9K 10K 1K 10 10 2.7K 1K 47K 2.7K 2.7K	5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5% 5%	3W (ES 1/4W 1/4W 3W 1/4W 1/4W 1/4W 3W 3W 1/10V 1/10V 1/10V 1/10V

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REF.NO.	PART NO.	DESCRIPTION	l	R	EMARK	REF.NO.	PART NO.	DESCRIPTION		R	EMARK
R5211	1-216-081-00	RES-CHIP	22K	5%	1/10W	R5340	1-249-377-11	CARBON	0.47	5%	1/4W
R5212	1-216-071-00	RES-CHIP	8.2K	5%	1/10W	R5341	1-249-377-11	CARBON	0.47	5%	1/4W
R5213	1-216-089-91	RES-CHIP	47K	5%	1/10W	R5344	1-216-117-00	RES-CHIP	680K 5	5%	1/10W
R5214	1-216-073-00	RES-CHIP	10K	5%	1/10W	R5345	1-216-117-00	RES-CHIP	680K 5	5%	1/10W
R5215	1-216-089-91	RES-CHIP	47K	5%	1/10W						
						R5401	1-216-295-91		0		
R5216	1-247-895-91		470K	5%	1/4W	R5405	1-260-087-11			5%	1/2W
R5217	1-216-071-00		8.2K	5%	1/10W	R5406	1-216-295-91		0		
R5218	1-216-049-91		1K	5%	1/10W	R5408	1-216-295-91		0		
R5219	1-216-075-00		12K	5% 5%	1/10W	R5409	1-216-295-91	SHORT	0		
R5220	1-216-105-91	RES-CHIP	220K	5%	1/10W	R5410	4 000 007 44	CADDON	400 5	=0/	4/014/
R5221	1-216-061-00	DEC CUID	3.3K	5%	1/10W	R5410	1-260-087-11 1-216-295-91		100 5	5%	1/2W
R5221	1-216-001-00		220K	5%	1/10W	R5411		METAL CHIP	-	504	1/10W
R5223	1-216-081-00		22K	5%	1/10W	R5415	1-216-067-00			5.5 /b 5%	1/10W
R5224	1-249-405-11		100	5%	1/4W	R5416	1-216-295-91		0	,,0	1, 1044
R5225		METAL CHIP	10K		1/10W	110710	1-210-200-01	OHOR	•		
I (OLLO	1 200 000 11	IIIL I7 IL OI III	1010	0.070	1,1011	R5419	1-216-049-91	RES-CHIP	1K 5	5%	1/10W
R5226	1-216-089-91	RES-CHIP	47K	5%	1/10W	R5420	1-216-077-91			5%	1/10W
R5227	1-260-135-11		1M	5%	1/2W	R5421	1-216-081-00			5%	1/10W
R5229	1-216-045-00		680	5%	1/10W	R5422	1-216-105-91	RES-CHIP		5%	1/10W
R5230	1-216-097-91		100K	5%	1/10W	R5501	1-247-807-31	CARBON		5%	1/4W
R5231	1-216-065-91	RES-CHIP	4.7K	5%	1/10W						
						R5502	1-247-807-31	CARBON	100 5	5%	1/4W
R5232	1-216-089-91	RES-CHIP	47K	5%	1/10W	R5503	1-247-807-31	CARBON	100 5	5%	1/4W
R5233	1-247-807-31	CARBON	100	5%	1/4W	R5504	1-247-807-31		100 5	5%	1/4W
R5234	1-216-049-91	RES-CHIP	1K	5%	1/10W	R5505	1-247-807-31	CARBON		5%	1/4W
R5235		METAL CHIP	15K		1/10W	R5506	1-247-807-31	CARBON	100 5	5%	1/4W
R5236	1-216-065-91	RES-CHIP	4.7K	5%	1/10W						
						R5507	1-247-843-11			5%	1/4W
R5302	1-216-073-00		10K	5%	1/10W	R5508	1-247-843-11			5%	1/4W
R5303	1-216-083-00		27K	5%	1/10W	R5509	1-247-843-11			5%	1/4W
R5304	1-216-081-00		22K	5%	1/10W	R5510	1-247-843-11			5%	1/4W
R5305		METAL CHIP	6.2K		1/10W	R5511	1-249-417-11	CARBON	1K 8	5%	1/4W
R5306	1-208-806-11	METAL CHIP	10K	0.5%	1/10W	DEE40	4 040 447 44	CADDON	41/ 1	=0/	A /AVA/
R5307	1-216-089-91	DEC CUID	47K	5%	1/10W	R5512 R5513	1-249-417-11 1-247-843-11			5% 5%	1/4W 1/4W
R5307		METAL OXIDE		5%	1/10W	R5515	1-247-843-11			5%	1/4VV 1/4W
R5309	1-216-097-91		100K	5%	1/10W	R5517	1-249-417-11			5%	1/4W
R5310		METAL OXIDE		5%	1W	R5518	1-249-417-11			5%	1/4W
R5311	1-216-073-00		10K	5%	1/10W	110010	1240 417 11	0/ II (DOI1		,,,	.,
				• / •	.,	R5519	1-249-429-11	CARBON	10K 5	5%	1/4W
R5312	1-216-073-00	RES-CHIP	10K	5%	1/10W	R5520	1-249-429-11			5%	1/4W
R5313	1-216-083-00		27K	5%	1/10W	R5521	1-214-808-11			1%	1/2W
R5314	1-216-073-00	RES-CHIP	10K	5%	1/10W	R5522	1-214-808-11			1%	1/2W
R5315	1-215-913-11	METAL OXIDE	220	5%	3W	R5523	1-247-807-31	CARBON	100 5	5%	1/4W
R5316	1-216-089-91	RES-CHIP	47K	5%	1/10W						
						R5524	1-249-429-11		10K 5	5%	1/4W
R5317	1-216-049-91	RES-CHIP	1K	5%	1/10W	R5525	1-214-808-11	METAL		1%	1/2W
R5318	1-216-097-91		100K	5%	1/10W	R5526	1-247-807-31	CARBON		5%	1/4W
R5319	1-216-085-00	RES-CHIP	33K	5%	1/10W	R5527	1-214-808-11		4.7	1%	1/2W
R5320	1-249-383-11		1.5	5%	1/4W	R5528	1-249-429-11	CARBON	10K 5	5%	1/4W
R5321	1-216-089-91	RES-CHIP	47K	5%	1/10W						
						R5529	1-214-808-11			1%	1/2W
R5323	1-216-083-00		27K	5%	1/10W	R5530	1-214-808-11			1%	1/2W
R5325		METAL CHIP	6.2K		1/10W	R5531	1-249-417-11			5%	1/4W
R5326		METAL CHIP	10K		1/10W	R5532	1-249-417-11			5%	1/4W
R5328	1-216-089-91		47K	5%	1/10W	R5533	1-214-808-11	METAL	4.7	1%	1/2W
R5329	1-216-025-91	KES-CHIP	100	5%	1/10W	DEE04	4 044 000 11	METAL	47	10/	4 (0) 4 (
DECCO	4 046 005 04	CHORT	^			R5534	1-214-808-11			1%	1/2W
R5330	1-216-295-91		0	E0/	4/40\4/	R5535	1-214-808-11			1%	1/2W
R5331	1-216-073-00		10K	5% 5%	1/10W	R5536	1-214-808-11			1% 10/	1/2W
R5335	1-216-117-00		680K	5% 5%	1/10W	R5537	1-214-808-11			1% 1%	1/2W
R5337	1-216-117-00		680K	5%	1/10W	R5538	1-214-808-11	IVICIAL	4.7	1%	1/2W
R5338	1-216-295-91	SHUKI	0			R5541	1 214 000 44	METAL	47	1%	1/2\A/
R5339	1-247-807-31	CARRON	100	5%	1/4W	R5542	1-214-808-11 1-214-808-11			1% 1%	1/2W 1/2W
LOSSA	1-241-001-31	CARBON	100	J /0	1/~+∀V	NUU4Z	1-2 14-000-11	IVIEIAL	7.7	1 /0	1/477

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961 The components identified by ☑ in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should use only with the value originally used

The components identified by shading and mark ∆ are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	ne value origina		REMARK	REF.NO.	PART NO.	DESCRIP	PTION	R	EMAR
R5545	1-214-808-11	METAI	4.7	1%	1/2W	R5763	1-216-065-91	RES-CHIE	9 4.7K	5%	1/10W
R5546	1-214-808-11			1%	1/2W	R5768	1-249-429-11		10K	5%	1/4W
R5547	1-214-808-11			1%	1/2VV 1/2W	130700	1-2 70-4 25-11		IUK	J /0	1/-+44
3047	1-214-000-11	METAL	4.7	170	1/244	DE700	4 040 070 00	DE0 01115	4014	-0 /	4/400
	4 044 000 44			407	4 (0) 4 (R5769	1-216-073-00			5%	1/10V
R5548	1-214-808-11			1%	1/2W	R5770	1-216-073-00			5%	1/10\
5551	1-214-808-11			1%	1/2W	R5771	1-216-097-91			5%	1/10V
5552	1-214-808-11	METAL	4.7	1%	1/2W	R5772	1-249-429-11	CARBON	10K	5%	1/4W
R5553	1-214-808-11	METAL	4.7	1%	1/2W	■R9901	7	METAL			1/4W
R5554	1-214-808-11	METAL	4.7	1%	1/2W						
15555	1-214-808-11	METAL	4.7	1%	1/2W		<spark gap<="" td=""><td>'></td><td></td><td></td><td></td></spark>	'>			
15556	1-214-808-11	METAL	4.7	1%	1/2W						
5557	1-214-808-11	METAL		1%	1/2W	SG5702	1-519-466-11	GAP, SPA	RK		
5558	1-214-808-11			1%	1/2W	000.02		,			
5559	1-214-808-11			1%	1/2W						
	4 044 000 44		4 =	40/	4 (0) 4 (<transfor< td=""><td>MER></td><td></td><td></td><td></td></transfor<>	MER>			
k5560	1-214-808-11			1%	1/2W	TE404	4 407 000 11	TD 41:0=0	DIVED HART	ONIT * 1	
15561	1-214-808-11			1%	1/2W	T5101			RMER, HORIZ		
5562	1-214-808-11			1%	1/2W	T5102			RIZONTAL LINE		
15563	1-249-429-11			5%	1/4W	T5103 🗘	1-453-335-11	TRANSFO	RMER ASSY, F		
5564	1-249-429-11	CARBON	10K	5%	1/4W	TE404	4 405 400 44	TDANIOEC		(NX-401	
EEGE	1 240 420 11	CARRON	101/	E0/	4 /4\A/	T5104			RMER, FERRI		
15565	1-249-429-11			5%	1/4W						
R5566	1-249-429-11			5%	1/4W						
R5567	1-249-429-11			5%	1/4W	1	"A-1316-514-A	G1 BOAF	D, COMPLETE	•	
R5568	1-249-429-11	CARBON	10K	5%	1/4W				ES48ME1/MN1	, ES53N	/IE1/M
5569	1-249-429-11	CARBON	10K	5%	1/4W	١.,	t A 4046 E00 A	CBOAR	COMPLETE (ES61N	
5570	1-249-429-11	CAPRON	10K	5%	1/4W		"A-1310-320-A	G BUARL), COMPLETE (ES48HK1/SN		
					1/10W				L040111(1/014	ES61I	
15723	1-216-073-00			5%					*****		HK1/5
R5724	1-247-807-31			5%	1/4W						
R5725	1-216-093-91			5%	1/10W						
R5726	1-216-071-00	RES-CHIP	8.2K	5%	1/10W		* 1-533-725-11	HOI DEB	ELISE (E6001)		
R5727	1-216-085-00	DES CHID	33K	5%	1/10W				CAPACITOR, CA	D TVDI	=
							4-3/4-040-01	COVER, C			
R5728	1-216-051-00			5%	1/10W		4 000 054 44	00051477		VD6001,	, עטטנ
R5729	1-216-025-91			5%	1/10W			•	M3X10), P, SW	. ,	
R5730	1-249-431-11			5%	1/4W			(D6015 : G	BOARD, D630		
R5731	1-216-073-00	RES-CHIP	10K	5%	1/10W				D6308	3, D6309	9, IC60
R5732	1-249-441-11	CARBON	100K	5%	1/4W		<capacitor< td=""><td>\></td><td></td><td></td><td></td></capacitor<>	\>			
R5734	1-216-061-00	RES-CHIP	3.3K	5%	1/10W						
R5735	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	C6000 A	1-104-708-51	MYLAR	0.47µF	20%	250V
R5737	1-216-089-91			5%	1/10W	C6001	1-163-251-11			5%	50V
R5738	1-249-405-11			5%	1/4W	00001	. 100 201 11		(ES43ME1/MN1	, ES48N	/E1/M
E720	1-216-025-91	DEC CUID	400	E0/	4/40W/	Cenna A	4 404 706 54	MANA A D	ES53ME1/MN1	•	
R5739				5% 5%	1/10W		1-104-706-51		0.22µF		250\
R5740		METAL OXIDE		5%	3W	C6006	1-126-961-11		2.2µF		50V
R5744	1-216-089-91			5%	1/10W				(ES43ME1/MN1		
R5745	1-216-099-00			5%	1/10W				ES53ME1/MN1		
R5746	1-215-925-11	METAL OXIDE	22K	5%	3W	C6007	1-163-251-11		•	5%	50V
R5747	1_215_025_14	METAL OXIDE	22K	5%	3W				(ES43ME1/MN1 ES53ME1/MN1		
									LOSSIVIE I/IVIIVI	, LOUIN	n⊏ 1/1VI
R5748	1-216-041-00			5% 5%	1/10W	00000	4 400 054 44	OEDALUO	OUID 400-E	E0/	EO!
R5749	1-216-025-91			5%	1/10W	C6008	1-163-251-11		•	5%	50V
R5750	1-216-025-91			5%	1/10W				(ES43ME1/MN1		
85751	1-260-099-11	CARBON	1K	5%	1/2W	C6009 A	\1-104-706-51	MYI AP	ES53ME1/MN1 0.22µF		/E1/M 250\
5753	1-216-065-91	DE6"CHID	4.7K	5%	1/10W		1-104-706-51 1-119-894-51				250\
R5754	1-216-073-00			5%	1/10W		1-119-894-51				250\
₹5755	1-216-065-91			5%	1/10W	C6013 A	∆1-161-964-91	CERAMIC	0.0047µF	•	250\
	1-216-065-91			5%	1/10W						
R5756		CADDON	100K	5%	1/2W	C6014	1-163-021-91	CERAMIC	CHIP 0 01uF	10%	50V
5756	1-219-752-11	CARBON	IUUK	0,0					•		
5756 5757									(ES43ME1/MN1	, ES48N	/E1/M
	1-215-925-11	METAL OXIDE METAL OXIDE	22K	5% 5%	3W 3W		∆1-161-964-91		(ES43ME1/MN1 ES53ME1/MN1	, ES48N , ES61N	/E1/M

The components identified by shading and mark ∆ are critical for safety.
Replace only with part number specified.

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

G1, G

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REF.NO.	PART NO.	DESCRI	PTION	R	EMARK	REF.NO	O. PART NO.	DESCRIF	TION	R	EMARK
C6016	1-163-251-11		CHIP 100pF (ES43ME1/MN1, ES53ME1/MN1,			C6101	1-107-679-91	ELECT	10µF (ES43HK1/SN1, ES53HK1/SN1,	ES481	
	1-161-964-51		-		250V		1-161-964-51				250V
C6018 🛭	∆1-161-964-51	CERAMIC	0.0047µF		250V	C6103 C6104	1-163-005-11		•	10% 10%	50V 50V
C6019	1-126-961-11	ELECT	2.2µF	20%	50V	C6104	1-103-009-11	CERMINIC	CHIP 0.001µF	1076	30V
			(ES43ME1/MN1, ES53ME1/MN1,	ES48N	/E1/MN1,	C6105 C6106	1-164-004-11 1-163-009-11		CHIP 0.1µF CHIP 0.001µF	10% 10%	
C6020	1-126-968-11		100µF	20%					(ES43ME1/MN1,		
C6022	1-109-834-11	•	_OCK) 1500μF (ES43ME1/MN1,		250V	C6106	1 162 275 11	CEDAMIC	ES53ME1/MN1, CHIP 0.001µF	ES61N 5%	1E1/MN1) 50V
			ES53ME1/MN1,		-	00100	1-100-270-11	OLIVANIO	(ES43HK1/SN1,		
C6022	1-131-940-11	ELECT	1200µF		250V				ES53HK1/SN1,		
			(ES43HK1/SN1			C6107	1-137-605-11		0.01µF	10%	250V
C6023	1_109_834_11	ELECT/BI	ES53HK1/SN1 _OCK) 1500µF	-	250V	C6108	△1-161-964-5 1		0.0047µF (ES43ME1/MN1,	ES48N	250V 4F1/MN1
C0023	1-109-034-11		.ССК) 1500µГ (ES43ME1/MN1,						ES53ME1/MN1,		
			ES53ME1/MN1,						•		,
00000	4 404 040 44	5.50	4000 =	000/	050) (C6109	1-104-665-11		100µF	20%	
C6023	1-131-940-11	ELECT	1200µF (ES43HK1/SN1		250V				(ES43ME1/MN1, ES53ME1/MN1,		
			ES53HK1/SN1	•	•	C6109	1-126-965-11	FLECT	22µF	20%	
C6024	1-117-227-11	MYLAR	1μF		450V	00.00			(ES43HK1/SN1,		
			(ES43HK1/SN1	•	•				ES53HK1/SN1,		
CCOOF	4 445 200 44	CII M	ES53HK1/SN1	•	,	C6110			CHIP 0.001µF	10%	
C6025 C6026	1-115-389-11 1-125-969-91		0.018µF 680pF	3% 10%	800V 1KV	C6300	△1-161-964-51 1-101-810-00		•	5%	250V 500V
C6027	1-115-824-11		, обор. 18µF	20%		00000	1-101-010-00	OLIVANIO	ТООРІ	070	0001
						C6301	1-101-810-00	CERAMIC	100pF	5%	500V
C6028	1-104-588-11		0.0082µF		61.25KV	C6302	1-102-114-00		•	10%	50V
C6029 C6030	1-102-106-00			10%	50V 250V	C6303 C6306	1-102-114-00			10% 5%	50V 500V
C6030 C6031	1-136-189-00 1-125-969-91		0.1µF 680pF		250V 1KV	C6307	1-101-810-00 1-126-943-11		100pF 2200µF		25V
C6032	1-115-405-11		0.039µF	3%	1KV	00007	1 120 040 11	LLLOI	2200рі	2070	201
			(ES43HK1/SN1	, ES48I	HK1/SN1,	C6308	1-126-937-11	ELECT	4700µF	20%	16V
			ES53HK1/SN1	, ES61I	HK1/SN1)	C6309	1-101-810-00			5% 5%	500V
C6033	1-126-963-11	FLECT	4.7µF	20%	50\/	C6310 C6311	1-101-810-00 1-104-665-11		100pF 100µF	5% 20%	500V 25V
C6034	1-130-029-00		8200pF	2%	50V	C6312	1-104-665-11		100µF	20%	25V
C6035	1-104-665-11		100µF	20%	25V				•		
C6036	1-107-906-11		10µF	20%	50V	C6313	1-126-960-11		1µF	20%	50V
C6037	1-137-150-11	MYLAR	0.01µF	5%	50V	C6314 C6315	1-128-567-51 1-128-567-51		1000µF 1000µF	20% 20%	100V 100V
C6038	1-104-588-11	FILM	0.0082µF	2.509	61.25KV	C6317	1-109-954-11		0.47µF	20%	160V
C6039	1-115-389-11		0.018µF	3%	800V	C6321	1-128-549-11		3300µF	20%	35V
C6040	1-117-227-11	MYLAR	1µF		450V						
			(ES43HK1/SN1 ES53HK1/SN1			C6322 C6323	1-128-549-11		3300µF 3300µF	20%	35V
C6041	1-163-009-11	CERAMIC	CHIP 0.001µF	10%		C6324	1-128-549-11 1-128-549-11		3300µF	20% 20%	35V 35V
C6042			CHIP 0.001µF		50V	C6325	1-126-935-11		470µF		6.3V
						C6327	1-126-968-11	ELECT	100µF	20%	50V
C6043	1-104-663-11		33µF		16V	Cenno	4 400 000 44	FLECT	400	000/	E0\/
			(ES43ME1/MN1, ES53ME1/MN1,			C6328 C6329	1-126-968-11 1-126-943-11		100µF 2200µF	20% 20%	
C6044	1-117-703-11	CERAMIC				C6330	1-126-943-11		2200µF	20%	
C6045	1-107-675-11		1µF	20%	450V	C6331	1-107-641-11		220µF		160V
			(ES43ME1/MN1, ES53ME1/MN1,	ES61N	/E1/MN1)	C6332	1-104-665-11		100µF	20%	
C6046	1-107-675-11		1µF		450V	C6333	1-104-665-11		100µF		25V
			(ES43ME1/MN1, ES53ME1/MN1,			C6334 C6335	1-126-940-11 1-126-967-11		330µF 47µF	20% 20%	
C6100 A	∆1-161-964-51	CERAMIC			250V	C6337	1-101-810-00			5%	500V
C6101	1-107-680-11		22µF	20%	450V	C6338	1-162-117-00		•		500V
			(ES43ME1/MN1, ES53ME1/MN1,	ES48N	/IE1/MN1,	C6339	1-104-987-11	MYLAR	0.001µF	10%	200V

G1, G

The components identified by shading and mark ∆ are critical for safety.
Replace only with part number specified.

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	PART NO.	DESCRIF	PTION	REMARK	REF.NO	. PART NO.	DESCRIPTION	REMARK
C6340	1-164-004-11		•	10% 25V	D6009	8-719-158-49	DIODE RD12SB2	N1 E840ME1/MN1
C6341	1-137-150-11		(ES43ME1/MN1, ES53ME1/MN1, 0.01µF				•	N1, ES48ME1/MN1 N1, ES61ME1/MN1
00041	1-137-130-11	MILAN	•	ES48HK1/SN1,	D6010	8-719-988-61	DIODE 1SS355TE-17	
C6342	1-136-165-00	MYLAR	0.1µF	ES61HK1/SN1) 5% 50V ES48HK1/SN1,	D6011	8-719-988-61		N1, ES48ME1/MN1 N1, ES61ME1/MN1
			•	ES61HK1/SN1)	D6015	∆8-719-022-99	DIODE D6SB60L (ES43ME1/MI	N1, ES48ME1/MN1
	<connecto< td=""><td>R></td><td></td><td></td><td>D6015</td><td>△.8-719-510-53</td><td>DIODE D4SB60L</td><td>N1, ES61ME1/MN1 N1. ES48HK1/SN1</td></connecto<>	R>			D6015	△ .8-719-510-53	DIODE D4SB60L	N1, ES61ME1/MN1 N1. ES48HK1/SN1
	1-695-915-11							N1, ES61HK1/SN1
CN6004 *	1-580-689-11	•	NECTOR (PC BC (ES43ME1/MN1,	ES48ME1/MN1,	D6017		DIODE D1NL20U-TR	
CN6004 *	1-580-843-11	PIN, CON	ES53ME1/MN1, NECTOR (POWE (ES43HK1/SN1)	•	D6019 D6020		DIODE D1NS4 DIODE D5L60 (ES43HK1/S	N1, ES48HK1/SN1
			ES53HK1/SN1, NECTOR (PC BC NECTOR (PC BC		D6021	8-719-921-88	DIODE MTZJ-13B (ES43ME1/MI	N1, ES61HK1/SN1 N1, ES48ME1/MN1
CN6300 *	1-564-508-11	PLUG, CC	NECTOR (5MM F ONNECTOR 5P	•	D6021	8-719-110-36	DIODE RD13ES-B2 (ES43HK1/S	N1, ES61ME1/MN1 N1, ES48HK1/SN1
CN6302 *	1-764-333-11	PLUG, CC	NECTOR (5MM F INNECTOR 10P INNECTOR 10P	PITCH) 3P	D6022	8-719-979-64	ES53HK1/S DIODE UF4005PKG23	N1, ES61HK1/SN1
		•			D6023		DIODE UF4005PKG23	
CN6306	1-573-963-11 1-695-915-11 1-695-915-11	TAB (CON		ARD) 3P	D6024	8-719-988-61	•	N1, ES48ME1/MN ⁻ N1, ES61ME1/MN ⁻
	1-695-915-11	•	•		D6025	8-719-988-61	DIODE 1SS355TE-17 (ES43ME1/MI	N1, ES48ME1/MN ² N1, ES48ME1/MN ² N1, ES61ME1/MN ²
	<diode></diode>				D6100	△ 8-719-077-76	DIODE D2SB60A-F04 (ES43ME1/MI	N1, ES48ME1/MN ²
D6000	8-719-052-90		NL40-TA2 (ES43ME1/MN1, ES53ME1/MN1,	· ·	D6100	△ 8-719-068-00	DIODE ERC04-06SE	N1, ES61ME1/MN1 N1, ES48HK1/SN1
D6001	8-719-052-90		· ·	•				N1, ES61HK1/SN1
D6002	8-719-988-61	DIODE 1S	ES53ME1/MN1, S355TE-17	ES61ME1/MN1)	D6101	8-719-068-00	•	N1, ES48ME1/MN1
D6003	8-719-158-49		(ES43ME1/MN1, ES53ME1/MN1, D12SB2		D6101	8-719-947-69	DIODE MTZJ-T-72-18B	N1, ES61ME1/MN1 N1, ES48HK1/SN1
			(ES43ME1/MN1, ES53ME1/MN1,		D6102		ES53HK1/S DIODE DTZ-TT11-15B	N1, ES61HK1/SN1
D6004	8-719-991-33		S133T-77 (ES43ME1/MN1, ES53ME1/MN1,		D6103 D6104			N1, ES48HK1/SN1
D6005	8-719-988-61		S355TE-17 (ES43ME1/MN1,	ES48ME1/MN1,	D6105	8-719-948-45	DIODE ERA22-08	N1, ES61HK1/SN1
D6006	8-719-988-61		ES53ME1/MN1, S355TE-17 (ES43ME1/MN1,	·	D6106	△8-719-068-00		N1, ES48HK1/SN ² N1, ES61HK1/SN ²
D6007	8-719-988-61		`ES53ME1/MN1, S355TE-17 (ES43ME1/MN1,	·	D6108	8-719-063-73	•	N1, ES48ME1/MN ² N1, ES61ME1/MN ²
D6008	8-719-991-33	DIODE 1S	ES53ME1/MN1, S133T-77	ES61ME1/MN1)	D6108	8-719-510-48	DIODE D1N20R (ES43HK1/S	N1, ES48HK1/SN1
			(ES43ME1/MN1, ES53ME1/MN1,	•	D6300	8-719-057-96	ES53HK1/S DIODE D10SC6M-4012	N1, ES61HK1/SN1
					1			

The components identified by shading and mark ∆ are critical for safety.
Replace only with part number specified.

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REE NO	PART NO.	DESCRIPTION		REMARK
KLI .NO.	FARTINO.	DESCRIPTION	KLINAKK	KLI .NO.	FAINT NO.	DEGCKIF HON		KLWAKK
D6302 D6303		DIODE RBA-406B DIODE D1NL20U-TR		IC6003 🛭	\8-749-924-35	PHOTO COUPL (ES43)	ER ON3171-R BME1/MN1, ES	
D0000	011000010		SN1, ES48HK1/SN1,				BME1/MN1, ES	
D0004	0.740.050.40		SN1, ES61HK1/SN1)	IC6004	8-749-016-66	IC MCR5152		
D6304 D6305		DIODE D4SBL20U DIODE 1SS355TE-17		IC6005 /	8-749-924-35	PHOTO COUPL	FR ON3171-R	
	0 1 10 000 01	J.032 10000012 11		100000			BME1/MN1, ES	
D6306	8-719-988-61	DIODE 1SS355TE-17	ONA E040111/4/ONA	100000	0.750.400.04		BME1/MN1, ES	61ME1/MN1
			SN1, ES48HK1/SN1, SN1, ES61HK1/SN1)	IC6006	8-759-198-31	IC µPC1093J-1- (ES43	· I BME1/MN1, ES	48ME1/MN1
D6307		DIODE 1SS355TE-17	,,			ES53	BME1/MN1, ES	61ME1/MN1
D6308 D6309		DIODE D10SC6MR DIODE D10SC6M-4012		IC6007 /3 IC6301	∆ 8-749-924-35 8-749-012-13	PHOTO COUPL	_ER ON3171-R	
D6309		DIODE D10SC6M-4012	2	IC6301		IC MM1476AF(1	ΓP)	
						`	•	
D6311	8-719-988-61	DIODE 1SS355TE-17	SN1, ES48HK1/SN1,	IC6303 IC6304		IC µPC1093J-1- IC TL431CLP	-Т	
			SN1, ES61HK1/SN1)	100304	0-739-900-13		13HK1/SN1, ES	348HK1/SN1
D6312		DIODE 1SS355TE-17	,				53HK1/SN1, ES	
D6315 D6316		DIODE 1SS355TE-17 DIODE 1SS355TE-17						
D6317		DIODE 188355TE-17			<coil></coil>			
D6318 D6319		DIODE MTZJ-13B DIODE DTZ4.7C		L6303 L6304	1-412-525-31 1-406-659-11		10μΗ 10μΗ	
D6320		DIODE DTZ4.7C		L6307	1-412-525-31		10μH	
D6323	8-719-032-12	DIODE D1NS6		L6308	1-412-525-31		10µH	
				L6309	1-412-525-31	INDUCTOR	10µH	
	<fuse></fuse>			L6310	1-412-525-31	INDUCTOR	10µH	
E0004 A	4 E00 E00 E4	FLICE C OA (DEO) /		L6311	1-412-525-31		10µH	
F6001 Z	11-032-000-01	FUSE 6.3A/250V (ES43ME1/N	IN1, ES48ME1/MN1,	L6314 L6315	1-412-524-11 1-412-524-11		8.2µH 8.2µH	
		ES53ME1/M	IN1, ES61ME1/MN1)				·	
F6001 A	\1-576-232-11	FUSE (H.B.C.) 5A/250\	/ SN1, ES48HK1/SN1,		<ic link=""></ic>			
			SN1, ES61HK1/SN1)		-IO LINK			
			•			PROTECTOR, I		
	<ferritbea< td=""><td>.D></td><td></td><td></td><td></td><td>PROTECTOR, I</td><td></td><td></td></ferritbea<>	.D>				PROTECTOR, I		
				PS6303 /	1-801-549-21	PROTECTOR, I	MODULE (4.0A	Ń)
	1-412-911-11	•		PS6306	∆1-801-550-21	PROTECTOR, I	MODULE (2.5A)
FB0101 /	\1-412-911-21		IN1, ES48ME1/MN1,	PS6307	\1-801-550-21	PROTECTOR, I	MODULE (2.5A))
		ES53ME1/M	IN1, ES61ME1/MN1)	PS6310	∆1-801-550-21	PROTECTOR, I	MODULE (2.5A	N)
	∆1-412-911-21 1-412-911-11	•		PS6311	△1-801-550-21	PROTECTOR, I	MODULE (2.5A	N)
FB6302	1-412-911-11							
		•			<transisto< td=""><td>R></td><td></td><td></td></transisto<>	R>		
FB6303 FB6304	1-412-911-11 1-412-911-11	•		Q6000	8_720_120_28	TRANSISTOR 2	29C1623J 5I 6	
FB6305	1-412-911-11	•		QUUUU	0-729-120-20		BME1/MN1, ES	48ME1/MN1
FB6306	1-412-911-11						ME1/MN1, ES	61ME1/MN1
FB6309	1-412-911-11	FERRITE 0µH		Q6002	8-729-140-97	TRANSISTOR 2	2SB734-34 3ME1/MN1, ES	48ME1/MN1
FB6310	1-412-911-11	FERRITE 0µH					3ME1/MN1, ES	
				Q6003	8-729-120-28	TRANSISTOR 2		400 45 4 5 40 14
	<ic></ic>					•	BME1/MN1, ES BME1/MN1, ES	
	10:			Q6004		TRANSISTOR 2	2SB733-34	
IC6000	8-759-198-31	IC µPC1093J-1-T	INIA E040NE48814	Q6005	8-729-026-49	TRANSISTOR 2		
			IN1, ES48ME1/MN1, IN1, ES61ME1/MN1)			•	BME1/MN1, ES BME1/MN1, ES	
IC6001	8-759-133-90	IC µPC339C	,					<u>- // // // /</u>
			IN1, ES48ME1/MN1,	Q6100		TRANSISTOR 2		
IC6002 /	8-749-924-35	PHOTO COUPLER ON	IN1, ES61ME1/MN1) I3171-R	Q6102	0-128-023-22	TRANSISTOR 2	23D2 14f	
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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NC	D. PART NO.	DESCRIPTION	REMARK
Q6300	8-729-120-28	TRANSISTOR 2SC1623-L5 (ES43ME1/MN1, ES53ME1/MN1,	ES48ME1/MN1,	R6016	1-216-081-00	RES-CHIP 22K (ES43ME1/MN1, ES53ME1/MN1,	
Q6300	8-729-023-22	TRANSISTOR 2SD2114K (ES43HK1/SN1,	ĺ	R6017	1-208-830-11	METAL CHIP 100K (ES43ME1/MN1)	0.5% 1/10W , ES48ME1/MN1
Q6301	8-729-120-28	TRANSISTOR 2SC1623-L5	•	R6018	1-208-844-11	ES53ME1/MN1, METAL CHIP 390K (ES43ME1/MN1,	0.5% 1/10W
Q6302 Q6303		TRANSISTOR 2SA1037AK TRANSISTOR 2SA1208	-T-146-R			ES53ME1/MN1,	, ES61ME1/MN1
Q6304	8-729-026-39	TRANSISTOR 2SA933AS-0 (ES43HK1/SN1, ES53HK1/SN1,	•	R6019	1-208-806-11	METAL CHIP 10K (ES43ME1/MN1, ES53ME1/MN1,	
	<resistor></resistor>		·	R6020	1-208-827-11	METAL CHIP 75K (ES43ME1/MN1, ES53ME1/MN1,	
R6000 R6001	1-260-131-11 1-260-131-11	CARBON 470K	5% 1/2W 5% 1/2W	R6021	1-208-830-11	METAL CHIP 100K (ES43ME1/MN1 ES53ME1/MN1	0.5% 1/10W , ES48ME1/MN1
R6001 R6002	1-202-981-11		5% 20W ES48ME1/MN1,	R6022	1-208-846-11	· · · · · · · · · · · · · · · · · · ·	0.5% 1/10W , ES48ME1/MN1
R6002	1-216-057-00	RES-CHIP 2.2K (ES43HK1/SN1,	5% 1/10W [^]	R6023	1-216-057-00		5% 1/10W , ES48ME1/MN1
R6003 △	1-219-759-91	CARBON 1M	5% 1/2W	R6024	1 200 046 11	METAL CHIP 470K	0.59/ 1/10/4/
R6004	1-208-806-11	METAL CHIP 10K (ES43ME1/MN1,	•			(ES43ME1/MN1 ES53ME1/MN1,	, ES61ME1/MN1
R6005	1-208-806-11	ES53ME1/MN1, METAL CHIP 10K (ES43ME1/MN1,	0.5% 1/10W	R6025	1-216-057-00	RES-CHIP 2.2K (ES43ME1/MN1, ES53ME1/MN1,	
R6006	1-208-832-11	ES53ME1/MN1, METAL CHIP 120K (ES43ME1/MN1,	0.5% 1/10W	R6026 R6027	△1-218-265-21 1-249-389-11		5% 1W 5% 1/4W , ES48ME1/MN1
R6007	1-208-827-11	ES53ME1/MN1, METAL CHIP 75K (ES43ME1/MN1, ES53ME1/MN1,	0.5% 1/10W ES48ME1/MN1,	R6029	1-216-065-91	ES53ME1/MN1, RES-CHIP 4.7K (ES43ME1/MN1, ES53ME1/MN1,	5% 1/10W , ES48ME1/MN1
R6008	1-215-489-00		1% 1/4W É ES48ME1/MN1,	R6030	1-216-089-91		5% 1/10W
R6009	1-215-489-00	·	1% 1/4W	R6031	1-216-073-00	ES53ME1/MN1,	ES61ME1/MN1 5% 1/10W
R6010	1-215-489-00	ES53ME1/MN1,	ES61ME1/MN1) 1% 1/4W	R6033	1-216-065-91	ES53ME1/MN1	ES61ME1/MN1 5% 1/10W
R6011	1-208-798-11	ES53ME1/MN1, METAL CHIP 4.7K	ES61ME1/MN1) 0.5% 1/10W	R6035	△1-205-998-11	ES53ME1/MN1, CEMENTED 1	ES61ME1/MN1 5% 10W
R6012	1-208-832-11	(ES43ME1/MN1, ES53ME1/MN1, METAL CHIP 120K	ES61ME1/MN1) 0.5% 1/10W	R6036	1-208-830-11	ES53HK1/SN1 METAL CHIP 100K	, ES48HK1/SN1 , ES61HK1/SN1 0.5% 1/10W
R6013	1-215-489-00	(ES43ME1/MN1, ES53ME1/MN1, METAL 680K	•			(ES43ME1/MN1, ES53ME1/MN1,	
		(ES43ME1/MN1, ES53ME1/MN1,	•	R6038	1-216-073-00	RES-CHIP 10K (ES43ME1/MN1, ES53ME1/MN1,	
R6014	1-215-489-00	METAL 680K (ES43ME1/MN1, ES53ME1/MN1,		R6041	1-208-822-11		0.5% 1/10W , ES48ME1/MN1
R6015	1-215-489-00		1% 1/4W ES48ME1/MN1,	R6042	1-208-822-11		0.5% 1/10W , ES48ME1/MN1
		LOSSIVIE I/IVIN I,	LOO IIVIL I/IVIIN I)	R6043	1-216-073-00		5% 1/10W

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Replace only with part number specified.

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

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REF.NO.	PART NO.	DESCRIPT	ION	RE	MARK	REF.NO.	PART NO.	DESCRIPTIO	N	R	EMARK
R6044	1-216-073-00	RES-CHIP	10K	5%	1/10W	R6078	1-216-073-00	RES-CHIP	10K	5%	1/10W
		(E	S43ME1/MN1,	, ES48MI	E1/MN1,			(ES	43ME1/MN1	, ES48 1	/IE1/MN1,
		E	S53ME1/MN1,	ES61M	E1/MN1)				53ME1/MN1,		
						R6079	1-216-073-00	RES-CHIP	10K	5%	1/10W
R6045	1-208-819-11			0.5%							
		•	S43ME1/MN1,			R6100	1-260-298-51		3.3	5%	1/2W
D0040	4 045 400 00		S53ME1/MN1,		,	R6101	1-216-045-00		680	5%	1/10W
R6046	1-215-489-00		680K		1/4W	R6102	1-249-389-11 1-216-009-91		4.7	5%	1/4W
			S43ME1/MN1, S53ME1/MN1.			R6103 R6104	1-210-009-91		22 22M	5% 5%	1/10W 1/2W
R6047	1-215-489-00		680K		1/4W	K0104	1-240-205-11	CARBON	ZZIVI	376	1/244
K0041	1-2 13-409-00		S43ME1/MN1,			R6105	1-216-097-91	RES_CHIP	100K	5%	1/10W
			S53ME1/MN1.			R6106	1-216-057-00		2.2K	5%	1/10W
R6048	1-215-489-00		680K		1/4W	R6107	1-216-089-91		47K	5%	1/10W
110040	1-210-400-00		S43ME1/MN1,			R6108	1-215-493-00		1M	1%	1/4W
		•	S53ME1/MN1,			R6109	1-216-025-91		100	5%	1/10W
R6049 /	1-205-998-11				10W				43ME1/MN1		
			ES43HK1/SN1					•	53ME1/MN1		
		•	ES53HK1/SN1	•							,
				•	•	R6109	1-216-041-00	RES-CHIP	470	5%	1/10W
R6050	1-205-943-11	CEMENTED) 1	5%	20W			(E	S43HK1/SN1	, ES48	HK1/SN1,
		(E	S43ME1/MN1,	ES48M	E1/MN1,			È	S53HK1/SN1	, ES61	HK1/SN1)
		È	S53ME1/MN1,	ES61MI	E1/MN1)	R6300	1-216-065-91	RES-CHIP	4.7K	5%	1/10W [^]
R6051	1-208-824-11	METAL CHII	P 56K	0.5%	1/10W	R6301	1-249-413-11	CARBON	470	5%	1/4W
		(E	S43ME1/MN1,	ES48M	E1/MN1,	R6302	1-216-073-00	RES-CHIP	10K	5%	1/10W
		E	S53ME1/MN1,	ES61M	E1/MN1)	R6304	1-216-073-00	RES-CHIP	10K	5%	1/10W
R6052	1-249-417-11	CARBON	1K	5%	1/4W						
R6053	1-208-792-11	METAL CHII	P 2.7K	0.5%	1/10W	R6305	1-216-073-00	RES-CHIP	10K	5%	1/10W
		(E	S43ME1/MN1,	, ES48M	E1/MN1,	R6306	1-216-041-00		470	5%	1/10W
			S53ME1/MN1,		,	R6307	1-216-073-00	RES-CHIP	10K	5%	1/10W
R6053	1-216-660-11				1/10W	R6308	1-216-049-91	RES-CHIP	1K	5%	1/10W
			ES43HK1/SN1			R6309	1-249-417-11	CARBON	1K	5%	1/4W
		I	ES53HK1/SN1	, ES61H	K1/SN1)						
						R6310	1-216-065-91		4.7K	5%	1/10W
R6054	1-208-774-11			0.5%		R6311	1-215-477-00		220K	1%	1/4W
R6055	1-208-805-11			0.5%		R6312	1-249-417-11		1K	5%	1/4W
R6056	1-217-625-00		0.05	10%		R6313	1-216-097-91		100K	5%	1/10W
R6057	1-215-477-00		220K		1/4W	R6314	1-216-385-11	METAL OXIDI	€ 0.47	5%	3W
R6058	1-215-477-00	METAL	220K	1%	1/4W	D0040	4 045 455 00		00014	407	41001
D0050	4 045 477 00	NACTAL	0001/	40/	414141	R6316	1-215-477-00		220K	1%	1/4W
R6059	1-215-477-00		220K		1/4W	R6317	1-249-417-11		1K	5%	1/4W
R6060	1-219-512-11		2.2M		1/2W	R6318	1-215-453-00		22K	1%	1/4W
R6062	1-220-886-61 1-208-800-11		0.1		1W	R6319	1-215-476-00		200K	1%	1/4W
K0002	1-200-000-11		P 5.6K S43ME1/MN1,	0.5%		R6320	1-200-000-11	METAL CHIP	10K	0.5%	1/10W
			S53ME1/MN1,			R6321	1 200 922 11	METAL CHIP	47K	0.5%	1/10W
R6062	1-208-796-11		•	0.5%	•	R6322	1-216-057-00		2.2K	5%	1/10W
K0002	1-200-190-11		ES43HK1/SN1			R6323	1-216-037-00		470	5% 5%	1/10W
		•	ES53HK1/SN1	•		R6324	1-216-049-91		1K	5% 5%	1/10W
		1	ESSSIIK I/SIN I	, ЕЗОТП	KI/ONI)	R6325		METAL CHIP	36K		1/10W
R6065	1-219-512-11	CAPRON	2.2M	5%	1/2W	10020	1-200-019-11	WILL TAL OF IIF	301	0.576	1/1044
R6067	1-249-397-11		22		1/2VV 1/4W	R6326	1_208_708_11	METAL CHIP	4.7K	0.5%	1/10W
	1-245-397-11 1∆1-205-998-11				10W	R6327		METAL CHIP	1K		1/10W
110000 2	± 1-200-330-11		, ES43HK1/SN1			110027	1-200-702-11		343HK1/SN1		
		-	ES53HK1/SN1	-	-			•	S53HK1/SN1	•	
R6069 /	1-205-998-11				10W	R6328	1-216-065-91		4.7K	5%	1/10W
. 10000			ES43HK1/SN1			1.0020	. 2.0 000 0.		43ME1/MN1		
		_	ES53HK1/SN1	•				•	53ME1/MN1		•
R6071 /	1-240-881-11				10W	R6328	1-215-906-11	METAL OXIDI	'	5%	3W
2			S43ME1/MN1,				000 11		- S43HK1/SN1		
		_	S53ME1/MN1,		-			•	S53HK1/SN1		-
		_				R6329	1-216-041-00		470	5%	1/10W
R6072	1-249-417-11	CARBON	1K	5%	1/4W				43ME1/MN1		
R6076	1-249-389-11		4.7		1/4W				53ME1/MN1		
R6077	1-216-689-11		39K		1/10W						
			S43ME1/MN1,								
			S53ME1/MN1,								
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The components identified by shading and mark ∆ are critical for safety. Replace only with part number specified.

(ES43ME1/MN1, ES48ME1/MN1) ES48ME1/MN1 ES48ME1/MN1 ES48ME1/MN1 ES48ME1/MN1 ES48ME1/MN1 ES48ME1/MN1 ES48ME1/MN1 ES48ME1/MN1 ES58ME1/MN1 ES48ME1/MN1 ES58ME1/MN1	REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
ESS9HK/ISM1, ES9HK/ISM1, ES9HK/ISM1 ES948ME1/MM1, ES9	R6329	1-208-807-11				<thermisto< td=""><td>OR></td><td></td></thermisto<>	OR>	
CBS3ME(1/MN1, ES61ME(1/MN1) CBS4ME(1/MN1) CBS4ME(1/MN1, ES61ME(1/MN1) CBS4ME(1/MN1, ES61ME(1/MN1) CBS3ME(1/MN1, ES61	R6330	1-208-813-11	`ES53HK1/SN1	, ES61HK1/SN1)	TH6100	1-803-586-11	THERMISTOR, NTC	
1-208-809-11 METAL CHIP 98K 0.5% 1/10W (ES43ME1/MIN1, ES48ME1/MIN1, ES48ME1/MIN1, ES48ME1/MIN1, ES48ME1/MIN1, ES58ME1/MIN1, ES58ME1/MIN1, ES48ME1/MIN1, ES58ME1/MIN1, ES5			•			<varistor></varistor>	>	
1-208-806-11 METAL CHIP 10K _ 0.5% 1/10W ES43HK1/SM1, ES48HK1/SM1, ES48HK1/SM1, ES48HK1/SM1, ES48HK1/SM1, ES48HK1/SM1, ES48HK1/SM1, ES48HK1/SM1, ES53HK1/SM1,	R6332	1-208-819-11	METAL CHIP 36K	0.5% 1/10W ´	VD6000	1-803-614-11	VARISTOR	
R8334 1-216-041-00 RES-CHIP (ES43HK1/SN1, ES48HK1/SN1, ES63HK1/SN1, E	R6333	1-208-806-11	METAL CHIP 10K	0.5% 1/10W [°]	VD6001	_1-803-830-51	`ES53ME1/M	N1, ES61ME1/MN
ES53HK1/SN1, ES61HK1/SN1 R6335 1-216-071-00 RES-CHIP 8.2K	R6334	1-216-041-00	RES-CHIP 470	5% 1/10W ´				
(ES43HK1/SN1, ES48HK1/SN1) (ES43HE1/MN1, ES48ME1/MN1) (ES43HE1/MN1, ES48ME1/MN1) (ES43HE1/MN1, ES48HK1/SN1) (ES43HE1/MN1, ES61HK1/SN1) (ES43HE1/MN1, ES61HK1			`ES53HK1/SN1	, ES61HK1/SN1)				
1-208-802-11 METAL CHIP 6.8K 0.5% 1/10W (ES48HK/15M1, ES48HK/15M1, ES48HK/15M1, ES48HK/15M1, ES48HK/15M1, ES48HK/15M1, ES48HK/15M1, ES48HK/15M1, ES53HK/15M1, ES5	₹6335	1-216-071-00	(ES43HK1/SN1	I, ES48HK1/SN1,	Δ	∆1 -223-925-11	RESISTOR ASSY (HIG	H-VOLTAGE) (FOCUS PAC
1-529-405-11 SPEAKER (13 CM) (ES53)	R6336	1-208-802-11	METAL CHIP 6.8K	0.5% 1/10W	Δ			
1-529-758-11 SPEAKER (2.7 CM) (ES61)						1-529-403-11	SPEAKER (6.6 CM) (ES	
RY6000		<relay></relay>					, , ,	
ESS3ME1/MN1, ES61ME1/MN1	RY6000∆	1-755-357-11	RELAY, AC POWER			1-529-758-11	SPEAKER (8 CM) (ES6	1) ^
1-543-982-11 CORE, FERRITE	RY6000 <i>∆</i>	∆ 1-755-352-1 1	ES53ME1/MN1,					
(ES43ME1/MN1, ES48ME1/MN1) (ES53ME1/MN1, ES61ME1/MN1) (ES53ME1/MN1, ES61ME1/MN1) (ES53ME1/MN1, ES61ME1/MN1) (ES43ME1/MN1, ES61ME1/MN1) (ES43ME1/MN1, ES61ME1/MN1) (ES43ME1/MN1, ES48ME1/MN1) (ES43ME1/MN1, ES48ME1/MN1) (ES43ME1/MN1, ES61ME1/MN1) (ES43ME1/MN1, ES64ME1/MN1) (ES43ME1/MN1, ES61ME1/MN1) (ES43ME1/MN1, ES48ME1/MN1, ES61ME1/MN1) (ES43ME1/MN1, ES61ME1/MN1) (ES43ME1/MN1, ES61ME1/MN1) (ES43ME1/MN1, ES48ME1/MN1) (ES43ME1				•		1-543-982-11	CORE, FERRITE	,
*1-761-348-11 PWB, MOUNTED (NET WORK) (ES-41-790-082-11 CABLE, RF) *1-790-082-11 CABLE, RF *1-792-002-11 CORD, POWER (WITH FILTER) (ES-43ME1/MN1, ES-48ME1/MN1) (ES-43ME1/MN1, ES-48ME1/MN1) (ES-43HK1,ES-11 TRANSFORMER, LINE FILTER) (ES-43HK1/SN1, ES-48HK1/SN1, ES-53HK1/SN1) (ES-43HK1/SN1, ES-48HK1/SN1, ES-53HK1/SN1) (ES-43HK1/SN1, ES-48HK1/SN1) (ES-43HK1/SN1, ES-4443-11 TRANSFORMER, CONVERTER (PIT) (ES-43ME1/MN1, ES-4443-11 TRANSFORMER, CONVERTER (PIT) (ES-43ME1/MN1, ES-4443-11 TRANSFORMER, CONVERTER (PIT) (ES-43ME1/MN1, ES-44ME1/MN1) (ES-43ME1/MN1, ES-44ME1/M	RY6001 <i>∆</i>	∆ 1-755-357-1 1	(ES43ME1/MN1,		Δ	∆1-574 - 062-52	(ES43ME1/M	N1, ES48ME1/MN
16001		<### ANGEOF		, LOCHME MAINTY			PWB, MOUNTED (NET	•
(ES43ME1/MN1, ES48ME1/MN1, ES61ME1/MN1)		< I RANSFUR	(MEK>		Δ	\1-792-002-11	CORD, POWER (WITH	FILTER)
T6001	T6001	∆ 1-431-493-1 1	(ES43ME1/MN1	, ES48ME1/MN1,	Δ	∆1-792-035-11	CORD, POWER (WITH	FILTER)
ES53HK1/SN1, ES61HK1/SN1) 6002	Γ6001 Δ	1 -424-505-1 1	TRANSFORMER, LINE FI	LTER		∆ <mark>8-598-955-12</mark>	BLOCK ASSY, HIGH-V	OLTAGE
(ES43ME1/MN1, ES48ME1/MN1, ES48ME1/MN1, ES53ME1/MN1, ES61ME1/MN1) T6002	T6002 A	1_431_493_11	ES53HK1/SN1	, ES61HK1/SN1)				
16002 △1-424-505-11 TRANSFORMER, LINE FILTER (ES43HK1/SN1, ES48HK1/SN1, ES53HK1/SN1, ES61HK1/SN1) 16003 △1-431-445-11 TRANSFORMER, CONVERTER (PFT) (ES43HK1/SN1, ES61HK1/SN1) ES53HK1/SN1, ES61HK1/SN1) ES53HK1/SN1, ES61HK1/SN1) 16004 △1-435-443-11 TRANSFORMER, CONVERTER (PIT) 16005 △1-435-445-11 TRANSFORMER, CONVERTER (PIT) 16100 △1-435-444-11 TRANSFORMER, STAND-BY (ES43ME1/MN1, ES48ME1/MN1) ES53ME1/MN1, ES61ME1/MN1) 16100 △1-433-844-11 TRANSFORMER, CONVERTER (ES43HK1/SN1, ES48HK1/SN1,	.0002	31 101 100 11	(ES43ME1/MN1,	, ES48ME1/MN1,	/	\8-733-572-15	PICTURE TUBE 07MX	•
16003	Г6002	∆ 1-424-505-1 1	TRANSFORMER, LINE FII (ES43HK1/SN1	LTER I, ES48HK1/SN1,				(ES48, ES53 C4 (R) (HEATER)
ES53HK1/SN1, ES61HK1/SN1) \$\text{A}8-733-575-15 PICTURE TUBE 07MAC3 (B) (HEAT (ES48, \$\text{A}8-733-576-15 PICTURE TUBE 07MAC3 (B) (HEAT (ES48, \$\text{A}8-733-576-15 PICTURE TUBE 07MAC4 (B) (HEAT (ES48, \$\text{A}8-733-576-15 PICTURE TUBE 07MAC3 (B) (HEAT (ES48, \$\text{A}8-73	T6003 🗘	1 -431-445-1 1	TRANSFORMER, CONVE	RTER (PFT)	Δ	∆ 8-733-574- 15	PICTURE TUBE 07MAG	
T6004			•	•	Δ	∆8-733-575-15	PICTURE TUBE 07MA	(ES43) (B) (HEATER) (ES48, ES53)
16100	T6005 🗘	1 -435-445-1 1	TRANSFORMER, CONVE	RTER (PIT)				C4 (B) (HEATER) (ES61
T6100	T6100 <i>∆</i>	∆ 1-435-444-1 1	(ES43ME1/MN1,	, ES48ME1/MN1,	******	*******	**********	*************
	T6100 ঐ	∆ 1-433-844-1 1	TRANSFORMER, CONVE	RTER				

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

KP-ES43HK1/ME1/MN1/SN1, ES48HK1/ME1/MN1/SN1, ES53HK1/ME1/MN1/SN1, ES61HK1/ME1/MN1/SN1 RM-961

REF.NO. PART NO. DESCRIPTION

REMARK

ACCESSORIES AND PACKING MATERIALS

△1-569-008-11 ADAPTOR, CONVERSION 2P

(ES43ME1/MN1, ES48ME1/MN1, ES53ME1/MN1, ES61ME1/MN1)

- *4-029-168-01 BAG, PROTECTION (ES43)
- *4-030-895-01 JOINT
- *4-041-423-11 SHEET, PROTECTION (ES43, ES48)
- *4-055-672-01 BAG, PROTECTION (ES53)
- *4-055-673-01 SHEET, PROTECTION (ES53,ES61)
- *4-059-461-01 BAG, PROTECTION (ES61)
- *4-060-976-01 BAG, PROTECTION (ES48)
- *4-069-899-01 TRAY(ES48)
- *4-069-900-02 BOARD, TOP (ES48)
- *4-069-901-01 BOARD, BOTTOM (ES48)
- *4-069-994-01 TRAY(ES53)
- *4-069-995-01 BOARD, TOP (ES53)
- *4-069-996-01 BOARD, BOTTOM (ES53)
- *4-071-930-01 TRAY(ES61)
- *4-071-931-01 BOARD, TOP (ES61)
- *4-071-932-01 BOARD, BOTTOM (ÉS61)
- *4-071-933-01 CUSHION (UPPER) (ASSY) (ES61) *4-071-934-01 CUSHION (LOWER) (ASSY) (ES61)
- *4-076-536-01 TRAY(ES43)
- *4-076-537-01 INDIVIDUAL CARTON (ES43)
- *4-076-538-01 CUSHION (UPPER) (ASSY) (ES43)
- *4-076-539-01 CUSHION (LOWER) (ASSY) (ES43)
- 4-076-694-11 MANUAL, INSTRUCTION

(ENGLISH, FRENCH, CHINESE, PERUSSIAN, ARABIC)

- *4-076-803-01 INDIVIDUAL CARTON (ES48)
- *4-076-804-01 CUSHION (UPPER) (ASSY) (ES48)
- *4-076-805-01 CUSHION (LOWER) (ASSY) (ES48)
- *4-077-770-01 INDIVIDUAL CARTÓN (ES53)
- *4-077-771-01 CUSHION (UPPER) (ASSY) (ES53)
- *4-077-772-01 CUSHION (LOWER) (ASSY) (ES53)

*4-077-862-01 INDIVIDUAL CARTON (ES61)

REMOTE COMMANDER

1-476-170-11 REMOTE COMMANDER (RM-961) 4-978-977-01 COVER, BATTERY (for RM-961)